SEQUENCE LISTING

<110>Yuanhua T. Tang
   John Tillinghast
   Ankura Sinku
   Chenghua Liu
   Radoje T. Drmanac

<120>Novel Contigs Obtained
   From Various Libraries

<130>784

<140>to be assigned
<141>

<150>US 09/004,182
<151>1998-01-07

<150>US 09/034,341
<151>1998-02-13

<150>US 09/045,400
<151>1998-03-20

<150>US 09/321,214
<151>1999-05-26

<150>US 09/131,598
<151>1998-08-10

<150>US 09/170,294
<151>1998-10-13

<150>US 09/179,473
<151>1998-10-27

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<151>1998-10-28

<150>US 09/235,076
<151>1999-01-20

<150>US 09/234,611
<151>1999-01-22

<150>09/210,298
<151>1998-12-09

<150>09/221,820
<151>1998-12-30

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<150>US 09/240,371
<151>1999-01-29

<150>09/248,797
<151>1999-02-12

<150>US 09/277,227
<151>1999-03-25

<150>US 09/271,490
<151>1999-03-18

<150>US 09/293,972
<151>1999-04-15

<150>US 09/274,861
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<150>US 09/404,284
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<150>US 09/465,877
<151>1999-12-16

<150>NOT YET ASSIGNED
<151>2000-01-19

<160>10289

<170>pt_CT_genes Version 1.01

<210> 1
<211> 709
<212> DNA
<213> Homo sapiens

<220>
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<222> (29)...(691)
<223> similar to gi439877 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 1

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tcttaccaag acaatctcca gatgtattat agagataaat gtggaaggta aaactatgaa     120
agaaatagaa gaaatgcag gagaatatct tcatgatcta caaatggaaa aggagttttt     180
taaatctcaa aggcataaat taaggcagac attaacttat ttatatagaa tttaagtatg     240
tatatttaac gaagaacata ttaaagttaa tactcaagag aacaaaataa attatttata     300
gtgcctaata ctgatgaggg attagtatct agtgtataaa aagaagcctg caaattaaga     360
agaaaaagat agcaatctca gtttaaaagg taggcaaagt atatgatcaa gcagtttaca     420
gaagaggaat cctaaagaaa tagctggcat agttagggct taaactcatt aagtgaaatg     480
caaattccaa caacatgaat taagtaaaaa ttagaaatag gtattatata acaccatgtt     540
ggcaaaaatg tggaaatttg agactcctca cataggttgt agaactgtag actgctgtag     600
ccagtatatg catactgcat gacccagcag ttttattcct gatatgcctc ccaaagaact     660
tctcacactg tccatgacat acatgcaatg gtgtttgttg cagtattaa                 709
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<210> 2
<211> 411
<212> DNA
<213> Homo sapiens

<220>
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<222> (352)...(0)
<223> similar to gi1871540 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2

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tttttttttt ttgaggacaa ggtctcactc tgtcacccca aggtgggagt gcagtgacga      60
catcacagct cactggcagc ctcaaccctg gggttcaagt gatcctctca ccttcagcct     120
ccccaagtag ttgtgcctcc taggcacaca acactatgcc ccggcaaatt ttttgtatt      180
ttgtattttt tgtagaaaca ggatttcgcc atgttggcca ggctggtctc gaacaccctg     240
ggctcaactg atccgcctgc ctcggcctcc caaagtgctg ggattacagg tgtgagccac     300
cctgctcaac caggttttat tatttaagtt agttaaactt tggatagatt gtataatata     360
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tagtttaatg taatcatgct catatttttt aaataaataa aacactatac t   411

        <210> 3
        <211> 865
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (20)...(861)
        <223> similar to gi1840045 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 3
gtcgtggaat tcgccttcca gctgtcttct gtgagtgtct gcctgacagt ttcctttggc   60
tggcagctag gcactgtgtc ttcctgtctc tctagggact ggttcttgaa gggaaacctc   120
ctcatcatca tcgtcagtgt gttaatcatc ctgcccctcg ccctcatgaa acacttgggc   180
tacctggggt acaccagtgg tctctctctg acctgcatgc tgtttttcct tgtttcggtc   240
atctacaaga agttccaact tggctgtgct ataggccaca atgaaacagc aatggagagt   300
gaagctctcg tgggactccc cagccaagga ctcaacagca gctgtgaggc ccagatgttc   360
acagttgact cacagatgtc ctacacagtg cccattatgg cttttgcttt tgtctgccac   420
cctgaggtgc tgcccatcta tacggagctc tgccggccct ccaagcgcag gatgcaggcc   480
gtggccaacg tgtccattgg ggccatgttc tgcatgtatg ggctcacagc aacctttgga   540
tacctcacct tctacagcag tgtgaaggcg gagatgctgc acatgtacag ccagaaggac   600
ccgctcatcc tctgtgtgcg cctggccgtg ctgctcgcgg gtgaccctca ctgtgccagt   660
cgtgctgttc cctatccgcc gggccctgca gcagctgctt ttcccaggca aggccttcag   720
ctggccacga catgtggcca tagctctgat cctgcttgtt ttggtcaatg tccttgtcat   780
ctgtgtgcca accatccggg atatctttgg agttatcggg tccacctcag cccccagcct   840
catcttcatc ctccccagct gtatt   865

        <210> 4
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (63)...(732)
        <223> similar to gi577221 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 4
cccaaccctc tcatctactg cacctgctgg gacccctgga acttgggacc acggaagcta   60

                                      4

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atcaagaccc ctcaactacc acgcaagaac tccacaggga gttccaagct aactcctctt    120
ctaccagctc caaaaaatca caattacctc caaccaacaa aacctgttgt ttccccaaaa    180
atgaaaatcc attcagcaag gcaagaagag actaataaat cattttatga agtgatcaac    240
gtgtcacctg ggctatcaac ttgttcggaa tcgggaacag atttctgttc accttagggg    300
atgagatgtt tgatagggaa aaagcggtgg gaatcggaga tcccggacaa aggcagattt    360
tccaggacca acatcatttc tgacctagaa gagcaaatct cagagctgac agcaataatt    420
gaacaaatga acagagacca ccagtctgcc cagaaattgc tctccagtga aatggatctc    480
cgctgtgctg agatgaaaca gaactttgaa aacaagaaca gggagctcaa agaggcccat    540
gaagcagaac tcagtgagtt ggagaacaac tacaaagcag ccttgaaggc agagaagttg    600
gctgcccaag agaagctaga ggagatggga aaagaataca agtatttgaa gaatatgttt    660
cgtacgtatc aggacagtat ttatgatgaa atggaagaga agtggtcaaa acagaaggcg    720
aaatggaaga aggatgagaa gttcgagcga gaaaatatcc tgctacagca                770
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            <210> 5
            <211> 2513
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (2212)...(407)
            <223> similar to gi557822 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters

            <400> 5
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tttttttttt ttaaatttaa aaagatgtcc tcactgcaca agtgatctac gggctacagg     60
caaggatggg agacggaggc ttcaacacaa ctcattgcac ttagaaccgt tactaaccga    120
aacaccattt gcttgtcaac aatgtaccct tgacagcagg gagaaacttc tttatagtct    180
ctgcttcaga caagatttac agctttctcc aaggccagag gccaattgtg accacaagtc    240
ttgtttcttg tccaccagac ccaatcctct ggcaccttgt accccccgtt cctcagcaat    300
atgctcggcc taggttccag aggcagctgg aaggaagcag ctatgggctc attcagttct    360
gtttgcccaa atccagaagc cctaggaaag tcccgtctga gtcttgactc ctgacccttg    420
cagtggctgg agtcggtact ggtgcacacc cccactccca cggtgtgggt agtgctgtga    480
attggaaacc gcagataccc tggaggcctg gtagacagct gactgcccag cactgggcag    540
actgatagtc cgtaagtctg atggcaatga cgacctagag ttctgaggaa aggaggtgga    600
actcagagtt cctgtgctgg actgagaaac tgaatctgag gttggcgagt ctgagggtcc    660
ctgcagggta gggctagcag cactagaagg gcagctcctc cttggaagat tgctgccagt    720
gctgtttcca gaatgtggct ggctgctaaa ataccctggt gtccccgtaa atggggccaa    780
cgagtctgtg gacacagggt gggcggggct ggaataggac gtggaagaga gggatgattc    840
tgaagaaccg tgagagggg ggtttccagg tctcagtgca gtagttcgat aactgtatcc    900
tggagactgt gtaggatgtc ctctgaaggg ggaggaactc tgctgaagga ggctttgtga    960
ttctgtccga ggactatcac actgcaggag ctggtagctg tatctggaag ggctgtaaac   1020
tgttgctcct ttagagagtg ctgagcttaa tgtctctggg ccttctccat ctgcagggtc   1080
tgagtctttc tctgtgatgt tactctccca tgtgggagag ggctctccct tttgggccac   1140
cctcacgctg cttcggagga ccttggggat gctccctcct tctcggagtc gttctactga   1200
tgtgggaacc atccacctac tgctgatatt ctcttgaggt ctgcagtgag atgaagaagt   1260
gcctctggaa tctgatgggc ttaccgcctc caaatgggac atagaggaat gagatgggga   1320
gaatttttg tgaggggaag atggagttcg ggctgaggat ccctgcacac catgggcacc   1380
agtgtcggaa acggagttac tgctgccttg cccagctcct gcagacttgc ttttgctctg   1440
tgcagagtca cctcccccac cagcagaatt ttccttagct tcttgtttcc gttttcggta   1500
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                                   5
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```
ctccagcagg gatacttttt tcctctgtgg tgggttctgg ggggcagatg ggactccttc    1560
acaggccctt tcaccaccag gtgacaagga tccacgagag aggtctttca ttaagccatg    1620
ttcatatctg ctggaaaatc cttctgcagg ggaacaatat cccccatcca aatgtaaagg    1680
cttcctatcc cccactagag gagatcctcg atacagtcca tctgctcgag gcatagcatt    1740
caaaggggag taggcataca tcaagttgaa ctctgtccga aatgcctggt ctgagtttct    1800
cacgagggtc tgatgtccat ctccacttct gcttgggaaa ccagtctcag aagtgggtcc    1860
gagggaggga tgaggagcca ggtcagaatg actgagttga gtagggaagg tctatcagca    1920
cagctgttag tgttggagtc aaggtatcct acttttgcca aatccaggtc ttttcggtga    1980
caaagctcaa actgtagagg agtgttgcag cgactagcag tagtaagaga tgttgactgg    2040
tgaaaacatg aggctgtatc catttcgaca ctcctcttct cctgggtgag atgagccagg    2100
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gggccttcga cgtctctcag ggataaaggg tgagccaaag cgaatggagg gttttggggt    2460
gtgcaataac cgggaattgt tagactggta actgtttaag gcggtgcact caa           2513
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<210> 6
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(372)
<223> similar to gi3600073 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 6
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ctctccataa agacaggtta cagattttaa atgattttca acagttgtta ggggatattc     60
attggctgtg cgcaatgcta ggtattgcaa cttatcgact caaacatctt tatcaaaccc    120
tgcaaggaga ttcttcatta gatttccccg cagcaattga tcaaagaggc agaagctgag    180
ttgcaacttg tagaacagat gcttcagcag agacatgcct catggctgta gccgcaaaag    240
cctttgctta ttcttcatac ccctcattct ccaacaggac tcctgggcca gtgcttagac    300
aagtctgtat cagtaataga atggctcttt ctacctaatc aaacagttaa aaccttgcaa    360
gcctatcttc c                                                         371
```

<210> 7
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (112)...(9)
```

<400> 7
ctttgcagat ataattaagt tgactaatca ttaaaataag gagactatgc tagatatcta   60
gatgggccca atgaaagcac atgaactcta aaatgcagaa gataacaagg gcccagaatg   120
gccaaaacaa tactgaaaaa gaatgtaaga aaactgacat ttcctaattt caaaacttac   180
tacaaagcca tggtaattac tacagcgcgg tactggcaca aggaaagtca tagaaatcaa   240
cggaatagaa ttgagattcc agaaataaac ccatacgtct tctgtcaact gattttccat   300
aaaagtacca agactactca atggagaaaa gaagagtctt ttcaccaaat agtgccggg   359

<210> 8
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(610)

<400> 8
aaaggaaaga gtaactcttc ctgcactagt ggtcactgta acccattgaa ctactaatta   60
ccaatcccct tgatccctgc tggaaaacag gagagtatgt aactctagga atcgatggaa   120
ctggactgga tccctgagta aatattttag tccaagggga ggtccacaag cgatcttcca   180
aaccagtgtt tcagaccttt tatgatgagc tgaatctgcc agcaccagag cttccacaaa   240
aaaggacaaa gaacttgttt ctccagttag cagaatatgt agctcattcc ctcaatgtta   300
cttcctgtta tgtatgtgag ggaaccacta tgggagactg atggccttgg gaaacccaag   360
aattagtgcc tactgatcca gttcctgaca taattccagt ccagaaggcc caaactaaca   420
acttttgggt cttgaaaacc tctattaatg gacaatactg catacctaga aaaggaaaag   480
acttcaccat ccctgtagga aggctcaatt gtctaggaca gaagctgtat aaaagcataa   540
cagggacaca gggacagtca cctggtgggg gtctaaacca tactgaaaat aatcccttca   600
gtaaatt   607

<210> 9
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(380)

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(379)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 9
gtgagatcac taatacttta tgaaaagttt atggggacaa tgccccaaag aaatcagctg   60
tttacaaatt gataactcat ttttaacaag ggatcagatg atatggaagg taaagccaat   120
ggcggcagat catcaacatc aatttctgag gaaaaaatct cattcctgct ctaattgaag   180
aggacctatg attaacaaca gaaatgatag ccaacaccac agatatctca actggttcag   240
cttatacaat tctgactgaa aaattaaagt tgagcaaact ttccactaga tggatggcaa   300
aaccactgca cccagatcag ctgcagacaa gagcaaaact ttcaatgaaa tgttaaataa   360
gtgggatcaa gaccctgan   379

<210> 10
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(337)
<223> similar to gi3327112 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 10
agtggagccg cacagcccgg ggctggcagg ggccagccag gcgcagccca gccttccagg   60
gctgcaggca gtggcagtag atgtaagcca gaactatctc acggcagtgc cccgacttcc   120
gtgtgtcccc ccaaaacttg tacctggctc aggtggtggc cctggcagcc aggtgagatc   180
cagtgaggac tagggttctg ccttcccggt cagagcgagc agcaacgact ccttcgagca   240
gagcattaag gcggaaatag aacagcttct gaatgagaag agatagcatg cgacccaaaa   300
atgtgatggg gtcaatagat aaaaaaccag acccaaa   337

<210> 11
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (129)...(341)
<223> similar to gi2065210 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 11
gcagatcaga aaaaccttgt aaatgtccat ttataaagaa tgactgttgc agagtgaaat   60
gaatgatgga agttcatgtc gctccacaga gcacttgctg gacatgatac agaatgaagg   120
ggacctgctg catttctgga gggattgcag aggacttcaa ggaagcaggg atggtgattc   180
ctaccacatc cccattcaac tctcctattt ggcctatgca gaagacagat ggatcttgca   240
gaatgacagt ggattagcca ggtgatgact taagcttaac gtaagcttaa ctaggtggta   300
attccaactg cagcggctgt accagaggtg gttgcattgc   340

<210> 12
<211> 1130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(1132)
<223> similar to gi2662167 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 12
gtcaaacaag aacccaggtt tgaggaggaa gtcattattg ggtcctggtt ctgggcagaa   60
aaagaggcca gtttggaggg tggagcttca gcaatctgtg aatctgagcc aggaactgag   120
gaggggggcca ttggcggatc cgcgtactgg gctgaggaaa agtccagttt gggggctgtg   180
gccagagaag aggccaagcc ggagtctgaa gaagaggcca tatttgggtc ctggttctgg   240
gacagagatg aggcctgctt tgacctaaat ccctgtcctg tgtacaaggt cagtgatagg   300
ttcagagatg cagctgagga gcttaatgca tcctccaggc cccaaacctg ggacgaggtc   360
actgttgaat tcaaacctgg tcttttttcat ggggttggct tccgatccac aagcccckcttt   420
ggaattcccg aagaggcttc tgaaatgctt gaggcaaagc ccaagaacct ggaacttagc   480
ccagaaggag aagagcagga atctttgctt cagcctgatc agcctagtcc tgagttcaca   540
tttcagtatg atccttccta ccggtcagtc cgggaaattc gagagcatct tagggccagg   600
gagagtgcag agtctgagag ttggtcctgc agctgcatac aatgtgagct gaaaattggt   660
tctgaagagt ttgaagaatt ccttttatta atggacaaaa ttcgggatcc ttttattcat   720
gaaatatcta aaattgcaat gggtatgaga agtgcttctc aatttacccg agatttcatt   780
cgagattcag gtgttgtctc acttattgaa accttgctta attatccatc ctctagagtt   840
aggacaagtt ttttggaaaa tatgattcac atggctccac cttatccaaa tctaaacatg   900
attgagacat tcatatgtca agtgtgtgag gaaacccttg cacatagtgt ggattcccctt   960
gagcagctga ctgggaataa gggatgcttt agacacctca ctatgactat tgactatcac   1020
acaactgatt gccaactaat atggtccggg gtttcctctc cttttttaac cacaagccca   1080
atgcggagaa acgaagtttc acgttctgaa aatgctattg aatttgtctg   1130

                                    9

<210> 13
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> similar to gi498721 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 13
ggagagaaac cttataaatg taatgaatgt ggtaaagctt ttattgaaag gtcaaacttg   60
gtttaccatc agagaaacca tactggagag aagccataca aatgtatgga atgtggcaag   120
gcgtttgggc ggcggtcttg cctcactaaa caccaacgaa ttcattctag tgaaaaacct   180
tataaatgta atgagtgtgg caaatcttac attagtcgct caggcctcac taaacatcag   240
ataaaacatg ctggagagaa ccttacaact aaactcaatg tggaaaggcc gttagatgtt   300
gtcctaacct ctgggatccc caaataattt atacttactc atatagcttg tatatttgtc   360
ctttcccttt gaag   374

<210> 14
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(281)
<223> similar to gi3599339 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 14
agcatttgat aaaattcaac atcattctat gattaaaaaa cctcaaaaaa actgggtata   60
gaaggaatat acctcaacac aataaaagcc atatacagca gacccagagg tagtatcata   120
ccgaacggga aaaatgaaag cctttcctct gagatctgga acaagacaaa tatgcccact   180
tttaacactg ttatttaaca tagtactgga attcctagct agagcaatca gacaatagaa   240
atgaaggcat ccacctcgga aggaagaagt taaattatgc tt   282

<210> 15
<211> 364
<212> DNA
<213> Homo sapiens

10

<220>
<221> misc_feature
<222> (3)...(362)
<223> similar to gi3599339 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 15
ctagcatagt actcaaagtg ctagccagag caagtgggcg aaggatcgaa gcggcaggtg   60
cattggtttg gaagaagtca acttttccct gttcatagat gacatgatct tacatatgaa   120
aacctttaaa aacaggaaca taaattagaa aaccttaaag atgccaccag aaagacctgt   180
taaatctaat acatgaattc actgaagttg caggatatga aatcaactta taaaaaccag   240
tattggtttt atgtactaat agggaactac ctggaagaat tatcaagaaa actctattta   300
caatagctat gagaaaaata cttagaaata aatttaagca aggaggcgaa atatctgtac   360
attg   364

    <210> 16
    <211> 290
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (4)...(290)
    <223> similar to gi2981631 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

    <400> 16
cgctggcaca gacataggca catgaccaat gggccagagt agggaaccca gaaataaagc   60
caaataccta acagccaatt gatcttcatc acagtaagca taatcaaggt agggaaagta   120
caccctatac accctatagt cctgggataa ttggcaagcc acatgtaaaa gaataaaaat   180
ggattctcat ctctcacctt ataaaaaatc aacacaagat gggtcaaaga cctaaatcta   240
aggtctgaaa ccataacaat tcagaagata gctttggaaa acgcttgtac   290

    <210> 17
    <211> 356
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (5)...(355)
    <223> similar to gi1334115 in the genepept database release 114,

11

```
        <400> 17
caatcaactg tatacaatca acatctgtag actacttcat ccaacaacag cagaatacac      60
attcttctca agttcacata gaacattcaa gacagaccac aagctaggtc ataaaacaca     120
tcttaaaata aatttaaaag aatataaatt acacaatgtc tgctcttaaa gcagaaatca     180
ttaacagtaa gaaaaccgga aaatcccaaa atacatgaag attaaacaac acacctctaa     240
ataacacata gatcaaagac gatatctcag gataaatttt aaaatatttt gaattaaatg     300
aaaatgaaaa cacaagttat caaaattgtg agatgtagta aagcagtgct tgtagg        356
```

```
        <210> 18
        <211> 678
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(675)
        <223> similar to gi1698455 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 18
tgctgagttt ggctgcaaga atggtgaaat cattgatact ttacaagaca ctaatcagga      60
cagtgcccca aaggaatcag cagtttacaa atggatataa cctgttttca gaagagacaa     120
gattaatttg aagatgaagc agtggcggac catccatgtc aatttatgag aaaaaaattc     180
attctgttca tgccctaact gaagaggact gacaacagca caaacaatag ccaacatcat     240
agacatctca actggttcag cttactcaat tctgactgaa agttaaagtt gagcaaactt     300
tccactcaat gagtgtcgaa accctcatgc ccagatcagc tgcagacaag agcagaggtt     360
tcaatggaaa ttttaaacaa gtgagattaa gatcctgaag catttcttga aagaattgta     420
acaggagata aaccatggct tcaccagtac aatactgaag actaagcaca atcaaagcaa     480
tggctaccaa gaggccgaag tggtcccatt aaggcgaaag tggaccagtc aagagcaaag     540
gtcatggcaa cagtgttttg ggatgccaag acattttgct cgttgacttt ctggagggcc     600
aaagtgcagt aatgtctgtt tattatgttt tgagaaagtt ggccaaacct ttagtagaaa     660
aatgtccagg agtgtatt                                                 678
```

```
        <210> 19
        <211> 359
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(362)
```

12

<223> similar to gi1808582 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 19
ggaaaatgat gatttgaggt ttatttgaaa tacaacaatg tccaatagga aaacactgca   60
actttcttca ggtgttgaga aatccaatag agacctctgc ttgtctcctc ctttggcaag   120
agctccaagg ggagagagag gatgggccac cacgatgaat actacaggct gcggggaagg   180
ataaccctag tccagaccat tcctacaaaa gaaatgggga atccgaaagg aaaaggaaga   240
aatctcacta gcacatgtca aagagccagg agaggcacaa ttcaccaagc agaggaagaa   300
atagtgaccg cagcgggggc cggtgcagcc gcagtgataa cggtcggagc cgttacagg   359

<210> 20
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6)...(52)
<223> similar to gi3954942 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 20
nttttcaggc tgtgacagtg aggaactcca tggctaagtc tctgtatagt gccctgtttg   60
actggatagt ttttcgaatt aatcatgcac ttctgaatag taaagattta gagcataata   120
ccaaggtaat gatatattgg attataatat gttttccct gaaagctatt ttaataaact   180
ggttaataca tgaaatttaa aaacacagaa ttatatagag taataagtaa gaaatcgctt   240
ttatttgtta tttattaccc tgttcagaag aattgttctg tgtgtctttc cagacctttt   300
ttattatgtg tttttacctc ccgaacgtgt atattcagag ttgctttaaa aaatgtaaat   360
agaatcaagc tc   372

<210> 21
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

13

<222> (1)...(385)
<223> similar to gi2072972 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 21
cggcacgagg aaataatttt tatcagagca gaactaaatg aaatggaaac ggaaatatag   60
actaaaagag attaacaaaa tgaaaacttt ggttttctga aaagataaaa tagataaacc   120
tttagctaga ccaagagaaa aacagaaaag acccaaaaaa aattagaaca aaaaggagac   180
attacaattg ataccacaga aatagaatca ttagagacta ttaggaacaa ctaacaacaa   240
cagattcctg gacacatata atcaaccaag atagaatgag gaagaaatat aaaacctgtg   300
cagaccaata attagcaatg agattgaatc agtaataaaa agcctcccaa caaagaaaag   360
cccaggatca gatggcttta cca   383

<210> 22
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(296)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 22
atgacttcaa tacctgactt catgatttat tataaggtta tagtgataaa gacagtgagc   60
tattaccata aagatggatc aatggcccaa aacagactcc agaattagac ctactcatct   120
gtgtcaactg atttttgaaa aggtgaaaga ggtagtttag tgaaagaaaa gataatcttt   180
tcaagaaata atgctgtaac aattgacata cagatgcaaa aacaacaaca gtaacaaaga   240
actgaggtct atacttcaca ccatgtaaac aaattaactt gaaatggatt agacctaaat   300
gtaatactga aactcaaaaa cacttagaac aggagaaagn ttttgtgatc ttaggttagg   360
caaagatttc ttaaatacaa cac   383

<210> 23
<211> 384
<212> DNA
<213> Homo sapiens

14

<220>
<221> misc_feature
<222> (52)...(310)
<223> similar to gi56590 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 23
atcagacttg taaaaattta aaaagacaaa acattctatt aggaaaacag gctgcttcat   60
acttatcaga aggaacacaa attggtacat gccagctgaa gggaaatttg gtaatatgta   120
acaaaccgca taggcataaa cctttcaacc cagcaatccc actattataa atgcaccctg   180
acgttcccaa tgataagaaa atatatatgc acaaagatat tcattgcagc atcatttata   240
attgcaaaat cctaggaaca acgtaaatgc tcatgcacaa gagagcagtt atatcaacta   300
cagtatatca acataaggaa gtaaaagaga atgagaaagt cctctatgaa ctgataggag   360
caatttccca caatatactg tcat   384

<210> 24
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(385)
<223> similar to gi439877 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 24
atatgtgtaa agagtaaaaa ataaagcgtc tagcagacaa cataggagaa tatcttcatg   60
actttgaggt aggacaaaga tttattgaac aggacttaaa atgtctaact gtaaaggaaa   120
agactaataa tctggatttc actgaaatta agagcttgtg ctctcactag acaccattaa   180
gacagaacag gcaagcccca gagtgggaga aggtatctga aaagcatata tccaataaag   240
gggtaatctc cagaataaag aattcctcta atcaatgaga cgacagatag tccaaatgaa   300
aaagaggtaa gacttgaatt gaatgtaacg aaacagacta tccaaattgc caataaatgt   360
aagaagaggt gctcaatctc attaatcacc   390

<210> 25
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)...(527)

15

<223> similar to gi2072961 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 25
ggcacgagaa ctggtgctta atttaatgcc aattcatgat gtaggtttct aagcagcaca   60
taaaaggggc tttttaggta gcactgagta ctttactaaa aatacaaaaa ttagccaggg   120
ggggggggtgc acgtctttaa tcccagctac tcagggcggg ggccaggggg tggggtaggg   180
tggggctga dacaggagaa gcacttgaac ccaggaggcg gaggttgcag tgagctgaga   240
ttgtgctact gtactccaac ctgggcaaca aacagagtga gacactgtct caaataaata   300
aataaataga taaataaaat aaaataaaat aaaaagaact cgaccctttt tacaatagct   360
aaaggaaaat aaaatactta agaatatact taaccaagga ggtgaaagac ctctacaaag   420
aaaactacaa aacactgctg aaagaaatca cagatgacac aaacaaaaac acatcccaag   480
ctcatggaca ggtagaatca atactgtgaa aatgactata ctgcc   525

<210> 26
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (352)...(332)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 26
tcaacaccat gtatcaacca ctgatctgac cacttatagg acagcacccc aacttcacaa   60
gatgttgtct cccagcaggc tccataaatg agccttcgat aggacatttc atcattccat   120
caatctagct gcttccaggt aagaacaatg aattctacga tgtgagcgta ataccacagc   180
tgtttcactg taaatgagtt ccttgatcag tgacaatgct gtgtgtgaca ccatgggggat   240
gaataaggca gcctatcaac cacatatggt aatgctggcg gaagcaacat gcacaggaaa   300
gggaagttac tctccagtat atgtaattat tcccatgaag acaaattcct gccccttcca   360
taatgtagtg g   371

<210> 27
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(359)
<223> similar to gi2197085 in the genepept database release 114,

16

<400> 27
caagaaatct gaaactaata agtgagtatt gcaagatttc aggataaaag gttaatatag   60
aaaatcaatg ttttcctata tatcagcaat ggacaagtgg aatttgaaat taaaaacaca   120
ataccattgt gagcacacac ctaaaaaatg aaatacttag atataaacgt aacaaaatat   180
gtacaagatc catatgaaga aaactacaaa attctgatga aaaaaatcaa agaacagatg   240
gagatattcc atgtttatag atagaagatt gaataccaag acgtcagttc ttcccaactt   300
ggaataatag attactgcaa tcccaataaa aattctagca agttattttg tagacacaaa   360
ctgattatga agttt   375

<210> 28
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (117)...(449)
<223> similar to gi5726238 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 28
ataggaactc gcgtgactgg gaaaacaccg tctgcactgg gaaaccactt cctactttgg   60
gcttcgaggt caggacttcg agtcgagcac gaggagagag ctaggagctt cactaccctg   120
atgggtatgg cgacgcccac aagggttagg acaatcctct gatctgacat ggagatataa   180
tgttactgct aaatcagaca ctaacgccaa atgagagaag tgccatcata actgcagccc   240
gagagtttgg cgatctctgg tatctcaggt caatgatagg atgacaacag aggaatgaga   300
acgattcccc acaggccagc aggcagttcc cagtgtagac cctcactggg acacagaatc   360
agaacataca gattggtgcc gcaaacattt gctaccttgc gtgctagaag gactaacgaa   420
aactaggaag aagcttatga attattg   447

<210> 29
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = a,t,c or g

<220>

```
<221> misc_feature
<222> (24)...(358)
<223> similar to gi5726238 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 29
gagagagcta ggagcttcaa taccctgatg gctatattga tgttttacaa gggttaggac    60
aatcctctga tcctgacttg gaaatataag gttactgcta aatcaaaccc taccgccaaa   120
tgaaaaaagt gccttcttac ctgcacccca aaatttggcc aacctctgga atctaaggtc   180
attgatagga tgacaccgaa ggattgaaac caattcccaa cagcccacaa gcaattccca   240
atggaaaccc ttactgggac cccgaatccg aaccttccga ttggtgccgg aaacatttgc   300
taccttgcgt gctataagga ctaaggaaaa ctaggaagaa gcttatgaat tattn        355




<210> 30
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> similar to gi5360532 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 30
ggcgccgcgt cgcacccagg gtggctgggt tggcagcctg gcgggcggcg cggaggagag    60
ggcgcagggg tccttctggc cgtcttccgc tccccctccc ggcctttact tctgtcaggc   120
cccgcctggc ccaggcccgc agcctgtttc cttccacctg ggcgggtcgg gggctgcggg   180
cattggggcc ccttaaggaa acccaggcct ccagggactc cgccgctcca ggactcggcg   240
cggaggggaat gactgagcga cgaccgaggc aggggtgat gtggtacctc gaatgctgtg    300
gaaatggcag gaatgatgac ccggccggac cttagacccg agatcgatga gaggccgcca   360
gcactgcccg ggaaaccggc cggctcttct cccctcctg ctgcggccgc             410




<210> 31
<211> 1304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1244)...(516)
<223> similar to gi2388676 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 31

```
tattcagtga ttgtctagag agggctacta agattgtacc ttctaaactg tattgtcttt        60
ccttattcgt atgagttggc atggcttctt ttatcactaa ttccttttct ggaaaggggt       120
aaaaatagtt atgacagttt tgggaaggtg cgttttcaga ttagctgttt ccagagctga       180
aggtaatcat ttattcaagg cctgatgagc tggagtttgc agcaggagta ggagttaatg       240
aagtattgat acttggtaac ccttttttgta aaaaaaaaaa attttaattt ttttttttata       300
gagacagggg tctccctatg ttgcccaggc tggcctcgga actcctgggc tcaagggatc       360
ctcccacctt ggcctcccaa agtgctggga ttacaggcag ccatgcccag ccagggcaga       420
cattttatg cacaactttc tgtggggctc aagtgcacct atgatacata aattttacag       480
ttcttgatcc ccaaacagag caggaggcag ggtgcctggg gccagggttc ctttgggggaa       540
atgtggtcct tgaggtagag tcacagatgc cggagggtga ccagcactac tgggggagag       600
atctcctctg gggagagatg catgccaaag gtccctcttg cattcctcat acctcttgat       660
gcggacagag gggtgtccag ctgaatgatg tggggccccc gcatcctctg cagctgggcc       720
cgagtcagct tccgtggcct gctgtcccgg ggctcctcgg ccccctcaat cctttggctg       780
gccagctcct cccggatctc tctgagcatg tcctcagccc gcattgggcg cagggatgtg       840
tggccagctt tcaggaacag aggcccctct tcttcctcct ccccctgagga ctcccagggg       900
ctttccccgg cagagtcagc atgggttggg gaggagggaa gctggccccg aagccgggcc       960
ctgtggagtg tttccaccac cacattccct cgctcggagg ccccatcttc ttcctcagac      1020
caggttggtg ggtcttcctg gggaagactg cctcctttta ggattccttc cggcagttcg      1080
ggggcgcttc ggcgttgagg agcttggggg tcgggagggt ggggacgcag agggatgtcc      1140
cggagttcca gggtggagaa ggtgaggcga gggtcccgcc gaagggctct ttggcgtaga      1200
cggctcagtg gggagcggga ccccgtgggg gtgcctggga tcaaagtgcc gtagccagag      1260
tctgaggtat catctggcac aaggggagca tcttcatctg tgtc                       1304
```

<210> 32
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(354)
<223> similar to gi2065210 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 32

```
ggaagttaag atagtccctg tccactctga gctcctcatg cctctgaata gacagcaaa        60
gaagggagtt accgtgctgg cagaggtggt tgatcctgac taccaagggt taattgcttc       120
tactccacag aactaagaaa taatacttct ggaatacatg ggatctccta gggtgtcttc       180
agtgctacct actaccatgc cctgtgatta atttaatgga aaactacaac aacccaattc       240
gggcacagct gccaatggcc caattccttc aggaaggaaa gtttgggtca ttgccccata       300
taaagaatca agaccaactg agttgcttgc tgaaagctaa gggaatacag aa               352
```

<210> 33
<211> 1398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(1353)
<223> similar to gi3881305 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 33
gcggccgcat tcctgcaggg gatgactgtg aatggcttca tcaacacagt catcacctcc   60
ctcggagcgc cgctatgacc tgcacagcta ccagagcggg ctcatcgcca gctcctacga   120
cattgccgcc tgcctctgcc tcaccttcgt cagctacttc gggggctcag ggccacaagc   180
cgcgctggct gggctggggg cgtgctgctt atgggcacgg ggtcgctggt gttcgcgctg   240
ccccacttca cggctggccc ctaatgaggt tggaagttgg acgcgggtgt caggacgtgc   300
cctgccaacc cccggcgcgg tgtgtgccgg acagcacctc gggcctgtcc cgctaccagc   360
tggtcttcat gctgggccag ttcctgcatg gcgtgggtgc cacacccctc tacacgctgg   420
gcgtcaccta cctggatgag aacgtcaagt ccagctgctc gcccatctac attgccatct   480
tctacacagc ggccatcctg ggcccagctg ccggctacct gattggaggt gccctgctga   540
atatctacac ggaaatgggc cgacggacgg agctgaccac cgagagccca ctgtgggtcg   600
gcgcctggtg ggtcggcttc ctgggctctg gggccgctgc tttcttcacc gccgttccca   660
tccttggtta ccctcggcag ctgccaggct cccagcgcta cgcggtcatg agagcggcgg   720
aaatgcacca gttgaaggac agcagccgtg gggaggcgag caacccggac tttgggaaaa   780
ccatcagaga cctgcctctc tccatctggc tcctgctgaa gaaccccacg ttcatcctgc   840
tctgcctggc cggggccacc gaggccactc tcatcaccgg catgtccacg ttcagcccca   900
agttcttgga gtcccagttc agcctgagtg cctcagaagc tgccaccttg tttgggtacc   960
tggtggtgcc agcgggtggt ggcggcacct tcctgggcgg cttctttgtg aacaagctca   1020
ggctccgggg ctccgcggtc atcaagttct gcctgttctg caccgttgtc agcctgctgg   1080
gcatcctcgt cttctcactg cactgcccca gtgtgcccat ggcgggcgtc acagccagct   1140
acggcgggag cctcctgccc gaaggccacc tgaacctaac ggctccctgc aacgctgcct   1200
gcagctgcca gccagaacac tacagccctg tgtgcggctc ggacggcctc atgtacttct   1260
cactgtgcca cgcaggtgc cctgcagcca cggagacgaa tgtggacggc cagaaggtgt   1320
accgagactg tagctgtatc cctcagaatc tttcctctgg ttttggccat gccactgcag   1380
ggaaatgcac ttcaactt   1398

<210> 34
<211> 1579
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1580)
<223> n = a,t,c or g

<220>
<221> misc_feature

<222> (1)...(1579)
<223> similar to gi3550456 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 34
gattttttctg acaggatcaa tcgtgccctt gctgcagcaa agaaggataa tgacttcatt   60
tatcatgatc gagttccaga ccttaaagat ctagatccta ttggcaaagc cacacttgtg   120
aaatctaccc cggtcaatgt acccatcagt cagaaattta ctgatctgtt tgagaagatg   180
gttcccgtgt cagtacagca gtctttggct gcctataatc agaggaaagc cgatttgatt   240
aacagatcaa ttgctcagat gagagaagcc accactttgg caaatggggt gctagcttcc   300
cttaatcttc cagcagcaat tgaagatgtg tctggagaca ctgtacctca gtctatattg   360
actaaatcca gatctgtgat tgaacaggga ggcatccaga ctgttgatca gttgattaaa   420
gaactgcctg aattactgca acgaaataga gaaatcctag atgagtcatt aaggttgttg   480
gatgaagaag aagcaaccga taatgattta agagcaaaat ttaaggaacg ttggcaaagg   540
acaccatcca atgaactgta taagcctta agagcagagg gaaccaactt cagaacagtt   600
ttagataaag ctgtgcaggc agatggacaa gtgaaagaat gttaccagtc tcatcgtgac   660
accatcgtgc ttttgtgtaa gccagagcct gagctgaatg ctgccatccc ttctgctaat   720
ccagcaaaga ccatgcaggg cagtgaggtt gtaaatgtct taaaatcctt attgtcaaat   780
cttgatgaag taaagaagga aagagaggagt ctggagaatg acttgaaatc tgtgaatttt   840
gacatgacaa gcaagttttt gacagccctg gctcaagatg gtgtgataaa tgaagaagct   900
ctttctgtta ctgaactaga tcgagtctat ggaggtctta caactaaagt ccaagaatct   960
ctaaagaaac aggagggact tcttaaaaat attcaggtct cacatcagga attttcaaaa   1020
atgaaacaat ctaataatga agctaactta agagaagaag ttttgaagaa tttagctact   1080
gcatatgaca actttgttga acttgtagct aatttgaagg aaggcacaaa gttttacaat   1140
gagttgactg aaatcctggt caggttccag aacaaatgca gtgatatagt ttttgcacgg   1200
aagacagaaa gagatgaact cttaaaggac ttgcaacaaa gcattgccag agaacctagt   1260
gctccttcaa ttcctacacc tgcgtatcag tcctcaccag caggaggaca tgcaccaact   1320
cctccccaca ctcatcgccc ttaccacgct actcctacct atctcccctt ttatactaat   1380
aatcttataa aangacaaaa aacctaaagc aacttcaatt cctacacctg cataaaaang   1440
gggggggggc ccgtttttaaa gaatcctctg gggggcccaa ttattggcgg tgatagagaa   1500
ataatttctt ttttttttg ggggcgattt ataacccccc cggggggaatt ttgaagaaaa   1560
cattttttttt tggggggaaa   1579

<210> 35
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(398)
<223> similar to gi5834564 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 35
acgcgtgcca acaccaacat ccatcatgcc ctatgctcag cctggacctg ctgtatgaga   60
tggaccccgt agtactgggg gactcactgg atatatgtta ttcgagctac ttcatgttat   120

21

```
ctagccctgc tctgacttac gccacatcct acggacgcgc tgcttacata gagcatgagc    180
gtacctaggc ttggctcttg acgtggactg atgtgataaa ctcgctgaat atgactacta    240
gcctgaccca ccatgcccca ggctcagcag ggagctcctg gaggtagtag agcctgaagt    300
cttgcaggac tcactggata gatgttattc aactccttcc agttgtcttg aacagcctga    360
ctcctgccag ccctatggaa gttccttta tgcatg                              396
```

          <210> 36
          <211> 413
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (23)...(416)
          <223> similar to gi2072966 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 36
```
aaggagaaat aaaaatgaaa gaaaaaagag agaacagaat atccaagaac tgtgggacaa     60
ttgagaagga tgtaacacgt tatttgaata ccacaagaat tagaaagcag caggagagat    120
atttgaagta gtaatggcca agaattttcc gaagttgttg acagatgcaa aactacagaa    180
ccaggaaact cagaggacac caagaagaat aaataccaaa atatatacat ctatgcacat    240
catcttcaaa tgcaggaaaa gaaagacaaa tagaaaatac tgaaagaagc cacaaggaag    300
gaaaatacta gaggaataaa aataagaaat cttatcagaa accatgcaag aagagagtgg    360
agtgagatat aaagtgttca gagaaaaact actaacctag tcttctgtat ccg           413
```

          <210> 37
          <211> 369
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (8)...(365)
          <223> similar to gi483916 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 37
```
aatagaagta actatacttg catcagatag aatagatttc aagtcaaaaa ctagaaaaag     60
acgtaggtca ttacataatg ataaagggct caattcagca agagcatata aaggttataa    120
atatatatgc aaacagtatt ggagcggtca gacgtataaa gcgtaataga tttagtaaag    180
ggagagacag acggcgacac aataatagct gaagactgag ttcaacgccc cacgttcaat    240
aatgggcagg tcattcagac agaaaatcaa gacaacccaa atcaagactg aggtacactc    300
```

```
taggcaaaat ggacctgaca cctagagaac gtttcatgca actggtatag aatacacgtt    360
ttctcatca                                                             369
```


```
          <210> 38
          <211> 393
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (105)...(391)
          <223> similar to gi334072 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```


```
          <400> 38
cccagggctt ctcaaagtgt ggcctcagac ttcccacctt aaaatcatga tgggaataga     60
aagaagggtt tgttaaatgc gcatgcccag gtcctgcacc cagaggggga catggcccct    120
ggggctcccc taggcatccc tgtgtgcacc tgcacaaacg gcagacacgg tcctgggggc    180
tccgtgggtg acaccccagg gaggggcttc acaggtgcca tatggtaaga ggtagacgaa    240
agtacccact gcgtcgtggg gtgaggtgtc caggcacagg cttcccaggg atgggatcgc    300
cgcagggcac aggtggaggg aggcagccct gggccgggga gcagagccca caaagggggc    360
ccaggaagct gctggctgtg aaggtgtaag aaa                                  393
```


```
          <210> 39
          <211> 291
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (6)...(272)
          <223> similar to gi2340084 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```


```
          <400> 39
aaactgtacc atggggagtt gcattgcacc atgcagggct tacttttgat gagagggata     60
tcactgaatg agcctttcat ccaggcctta ttcgggcctt ggcggcgact tgtactattt    120
cttctggggg gaaatcacct gcacgacacg cgatgatccg aacccctatt ttcggaggtc    180
gacctgatag atatgctcac ttataaccag atgggtagcc agagctggca cgaaaggaga    240
ggacacagta ggccacagta tgttaattcg tacgcgacgc aggcgcgaat t             291
```

```
<210> 40
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(353)
<223> similar to gi35568 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 40
attgttaaaa ccactgtggt aattaagaaa tactttgggg agatgctttg aggctgtgca       60
gatagccatg tttttccttg aaagttgttg agccaacgtc ggatgggaat tatgtcacca      120
aacaggagct caaaggatta gatatagtta gaagagatag gtgtgatctt gctaaagaca      180
ctggaagcct tgtgattggg caaattcgtt atgatcaaag ccggatcagt atagtggaaa      240
acttcagtaa gagagcttat agaaaatgga aatagatgtg ataaatggca gtatgccagt      300
gagccagttt gaaagtataa aggcatctcc ataggatcaa catgaccacc ttcctctaat      360
aagcctactt taggtaca                                                    378




<210> 41
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(347)
<223> similar to gi1791243 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 41
cagaacaagt agacagaaag ggagtaagaa tacagaagac ttgaacaggg ttaacccaat       60
gacatatata ttctatatcc caaaacagta gaaggtacat cctttccaag tgcacctgga      120
acactcacca agacagacca taagccgggt ctcgaaacat gcagaatatg ttctctgacc      180
acaactgaag tgaaaaataa ataacaaaaa tataacataa agagccccca tatattcaga      240
aattaaacac actttaaac aactcacggg tcaaagaaga aatcacaaga gaaattagaa       300
aataccttgg gctgaatgat aaaaatatat taaaacgtgt gggatgcag                  349




<210> 42
<211> 931
```

24

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(847)
<223> similar to gi3258569 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 42
acgcaagcct tttggatcca aaatgtatta tttcgggatt gctgcactag atagatttaa   60
aaacagattg aaggactatc cccagtattg tcagcatttg gcttctatca gtcactttat   120
gcaattttcca catcatttac aggagtatat tgagtatgga caagcagtct agagatcctc   180
ctgtgaaaat gcaaggctct atcacaaccc ctggaagtat tgcactggct caggcccagg   240
ctcaggccca ggttccagca aaagctcctc ttgctggtca agttagcact atggtaacca   300
cctcaacaac taccactgtt gctaaaacgg ttacggtcac caggccaact ggagtcagct   360
ttaagaaaga tgtgccacct tctattaata ctacaaatat agatacgttg cttgtggcca   420
cagatcaaac tgagagaatt gtggagcccc cagaaaatat ccaggagaaa attgctttta   480
tttttcaataa tctctcacag tcaaatatga cacaaaaggt tgaagagcta aaggaaacgg   540
tgaaagaaga atttatgcct tgggtttcac agtatctggt tatgaagaga gtcagtattg   600
agccaaactt tcatagcctg tattcaaact tccttgacac gctgaagaat cctgaattta   660
acaagatggt tctgaatgag acctacagaa acattaaagt gctcctgacc tctgataaag   720
ctgcagccaa tttctcagat cgttctttgc tgaagaactt gggacattgg ctaggaatga   780
tcacattagc taaaaacaaa cccatcttac acactgactt ggatgtgaaa tcattgctgc   840
tagaggctta tgttaaagga caacaagaat tgctctatgt agtggccttt ggtggccaag   900
tcttagaatc taacattcgg agtgtggttt t   931

        <210> 43
        <211> 599
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (57)...(599)
        <223> similar to gi2981631 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 43
caaatgtata cagaaagaaa gacaaggaaa taaaacagct aaagcaattt tgaaaaaaga   60
agactaaagg gagaggaatc agtctattca atgtaaggac tcatcatagc ctaatcaaga   120
cactgattgg ttttagcaaa aggatagaca cataagtcaa tggaacaaaa tgaagaaccc   180
agaaatagac ccacacaaat aagcataaat gatttttgag aaatgtgcaa tcctttctca   240
atggagagag tatatggtct tttcaacaat tagtgctgga ccaatgggac atccataggc   300
aaaaaaattg aatcttgatc ttaacctcac acacaaaaaa acaactcaaa gtggatcatg   360
aacttaaact taaaatgcag aacaatgata cagttacaaa aaacctaaga gaagatattt   420
gggatctagg attaggtaaa aagctccaga cttgacacca aaagcaagga gtataaaagg   480

```
aaaaattgat acactggact tcattgaaat gaaatgtttt ttttgctttg aaaaactgtc      540
aagaggatga agaaagaagc taaagactag gaaaaaaata tttgcaaacc gtatgcctg       599
```


            <210> 44
            <211> 331
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(333)
            <223> similar to gi1335205 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters

            <400> 44
```
ttaatctctg gattcaatgt aatcccaatc aaaaccccag caaatccttg tgtgaaaatt       60
gacaagttga ttctaaaatt tatatggcac tgcaaagcac gtagaatagg caaggcaatg      120
tggaataaga acaaatatgg gggacttata caataagatt tcaagatttg ccataaagtt      180
agaataattg agatagtgtg gtattagctc cagggaagac aaaagatcaa gggaacaaaa      240
cagagtccag aaatagatcc aaacatatat agtcacttaa catatgacaa aagcaccact      300
gcaatccaaa ggaggaaaat ataccctttt c                                     331
```


            <210> 45
            <211> 356
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (26)...(352)
            <223> similar to gi2072977 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters

            <400> 45
```
cgataaaata gaaaaacttc taaaaaccag tgcctagatc aaagccttaa taaaaattct       60
cccatcaaag aaaagcccag gacctgactg ctttactgct gaattctacc aaacatttaa      120
agaattaatg ccaatcctat tcaaactctt aaaataaaaa aaaagaaaaa aagggaaaag      180
ggggaattt tttaaaaact atttttagag ggccggtttt ttctgaaaaa aaagcccggg       240
cagggacccc caaaaaggaa aaacttaagg cccgtttcca tgggaaacta tatttccaaa      300
aatccttaac aaattttga accccaatt tcattggtat ccggaaaaaa cattta           356
```

<210> 46
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (11)...(396)
<223> similar to gi2981631 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 46

```
ngaagatcaa aagaaaatat caaacttgaa caacactata gatcaaataa acctaacaga      60
cagatataaa acattccacc caaaagtagc agaacacaca gtgtcctcaa gtgcaaacag     120
aacattctac agggttgatc acatgctagg tcagaaaaca agtcctaaca aatataagaa     180
gtttgaaata attccaagta tcttttccag ccacaatgga atgaaactaa atcaaaaaca     240
aaaagaaaaa aattcaaaaa tatgtggaaa ttaaacaata tattctggaa caactaatgg     300
gtcaaagaag aaaccaaaaa gggaaattag aaaatatctt gagacaaatt aaaacaaaaa     360
tctcccccaa aacttatggg atgcagcaaa agcc                                 394
```


<210> 47
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(301)
<223> similar to gi804788 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 47

```
gcgacatttt agggggaaaa acaaaattat actagcataa atactataaa atcataaatt      60
tccttttaat ggagaaaatg aaaaactatt actgaaaggt atttaaaaag actaaataaa     120
tggagagatt caatattgta aagatgcaaa ttctcagcag agggacctac aaatttagtg     180
tagctccaat aaaaatacca agttcctata gactttctct agcagactct gaagtttaca     240
tcaaaaatca aagagccaag aatagcgaag tctctcctaa aaaagaatat ggtaggaggt     300
ttaccccact ggctatcaag agtcatgttt tag                                  333
```

<210> 48
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (70)...(226)
<223> similar to gi415821 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 48
aggggctctt cccctgggtg tgggcagtgt ggctgctgga ggacgctatg atgggctagt   60
gggcatgttc gaccctacag agtgctcaac aacttcattt ccaaccaaaa aaatggactt   120
taaggaagat ctttcaggaa tagctgaaat gttcaagacc ccagtgaagg agcttttgat   180
tgttntttga acatgtttga tagtggcttt taaatccgat aattcgtgag taataaatcg   240
cttatatact gtgctccatc ttgattgtta attgatttat gaagctattg tgctttatat   300
gatcatgatt tgtgaaattt tagtttgata taaatatcta g   341

<210> 49
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(339)
<223> similar to gi1334115 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 49
ccacaatacc cctcttttag cactgaacag atcatccaga cagaaaatca acaaagaaac   60
atcagattta atgggctctg cagatcaaat aagactaaca aacatttaca gaacatttca   120
tccaacaact gaagaataca cattcttata agcacatgga acattctcca ggatagacta   180

28

```
tatgttaggc cacaaaacaa gtttcaacaa attttcaaaa aattaaaatc atatcaagta      240
attttcataa cagtatggta taaaattaaa atcaatacca agagcagttt tggaaactat      300
gcaaaaacat ggcaattaaa caacatgctc ctgaacan                             338
```

        <210> 50
        <211> 367
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (259)...(333)
        <223> similar to gi775215 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 50
```
aggtcaggac aggcccaggt taggccaagc caaggttagg acaaggccat gataggccca       60
tgcccaagcc agggcagggt tagggtagcc cagggcatgc caaaatcagg gcagggccat      120
agcagtggca ggactagcac tagggccagg gcaagctgct ggaccacagc atggtgggga      180
caattcaggg ccaggacaga ggatggcaag gcaggtccag ggccatttca tggactcggt      240
aggcttgggg tcaggccagg gcagggcaaa ggcaaggcca gggagaaggc aaggccgggg      300
ccaaggcagt gccagggcag ggcaggacca gtgcaccccc aacgcagggt gagggcaagg      360
ccagggc                                                              367
```

        <210> 51
        <211> 366
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(368)
        <223> similar to gi2197085 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 51
```
cagaaatcaa ttgtatttct gtacattagc agtgaacaaa aatgaaatta agaattccat       60
ttataattgc atctagaaat taagaaaata agcggtaaaa aaatggtact ctgagaccta      120
ccaaaaatta ttgaaagaaa ttaaagaatt agacatccca tgttcatgga tctagatgac      180
ttaatattgt tgagatgtca gtattatccc aaatgatcta cagattcaag gcaatctcag      240
ctgccatttt tcttcttcag aaaaggcaaa gctgatccta aaagttacat ggaaattcag      300
ggtagtcaga atttttaaaa cagctttgaa aaagaacaac aaaagtgaag gagtcacagt      360
tcttga                                                               366
```

```
<210> 52
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(328)
<223> similar to gi2197085 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 52
catgataact accatgtaga ccaatcgtat acaggtccaa gaaataagtc tgagtatata      60
tagccaactg attattgaga aaggtattcc aaaaatatgt tgaggggaag gacagtttct     120
tcagtatata gtggtggaaa atctgtatat ccatatgtgg aagaattaga ttagactcat     180
agttctcccc atgcacaaca ttcatctcaa gatggatttc ggaatcaaat ataagaccct     240
ggaattatag agctcccaga agaaagtatg ggagaaatgc ttcagggcat tggtctgggc     300
aaagatttta tggctaagcc ctcaaaaacg taa                                  333



<210> 53
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(397)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 53
caaagggtca atttaaaaaa ttaagatgga aaggtaaaat ttccttgaaa atacaaaaac      60
ggtaatacaa cataccaaaa tctatgggat acagcaaaag cagtactaag aaagatgttt     120
atagcaataa atgcctacat taaaaaagta aaaagacttc aaatgaacaa tctaataatg     180
gtgcatgtta aggaactaga agagcaagaa caaatcaaat ccaaaattgg tagaggaaaa     240
gaaataataa agaccagagc agaaataaat gaaattgaaa ctagaaaaaa aatacagaag     300
gtcaatgaaa caaaaagttt actgtttgaa aatattgaca aaccttgacc aaggctaaga     360
taaaaagaga gaagacccaa ataaataaaa tcagagatta gag                       403
```

```
<210> 54
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(296)
<223> similar to gi1335196 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 54
aaataatatg agagctgtgg ctatactaat atcagacaaa acagacttta agtcaattct       60
gtctgttaaa tactgttaca agagacgaag gacataatga taaaagggtc aattcaccaa      120
gaagatataa taactataaa tatatatgca ccacacatta gagctcctaa atataggaaa      180
caacccctga cagaactgaa ggtagaaacc aacagcaaca caataataga aggagatttc      240
aacactgcta tttcaatgat ggatggaaca accagacaga agataaataa ggaaaacaga      300
ggatctgaac aacactatgg actaagtggg ctga                                  334




<210> 55
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(331)
<223> similar to gi5305335 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 55
agaactgagg aaaacctcca atgcaatcca caatccaatc ccttgactct ctgtaccggg       60
caaggcgcca agcaccagcc ccagcgcgcc gcacctgccg gggccgcgat ctcccagctc      120
atcgagtccc tcgcgcccgt ggccctttgt gccaggcggg ctgcgtcccc tcaagtcgtc      180
tccaccgcgg ctccagctcc cgccactgcc cgggctggag acctgacaac ttttctgaac      240
cgccgtctcc atctcgcacc cttcccgggc tccaggaccg tcccctgtgc gccctcatct      300
gcaccgtcgc cgtccgactc cggagccgga gaccgcgctg ggcgcaggag gagagagagc      360
gcgggcgccg gggaggggaa atctctccgg gactgctgct ggcggacgag ggacggagag      420
gagatggggc cgcacttacc cggagctgga actgcctgtc cgcgtggacc cgctcctctg      480
gcgcggaaac tccgtgtctg cagactccct cagccctgga gacttctgcc ggaaacccgg      540
gacaccaaga ggggcccagc ccttccccac ctctctcctg accgttactc cggacaggta      600
gggtctgcgc tcctcttcct ctctaaattg cgggtcacat ttgcggatgc cagaggagct      660
cgtgccttcg gaaattaaaa atcctatcca gttgattcgg acccatcttc cggacgaaa      719
```

31

```
<210> 56
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6)...(475)
<223> similar to gi206712 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
        <400> 56
cgcctggctg cgggcccctc ggcggtccca gggcccacag ggaccgtcct cctccggccc      60
tctgcgaagc ctcttctctg cctcaggcac cgccctgttc ttctccaagg tctggggtac     120
agcagcgccc tccaggcccg gcgtggccca gggcaggaag cgcacggcct gcgccggggg     180
ctcccgcttc cgaccggggg gtgctttcgt cctggcctct gggggatcgg cggcggggg      240
cggcacaggg ctcctgcact cctggatggc tctgctccgg gtcagcggga attggtcccg     300
acgcctaacc tcttgaagcg gcgccctcca acggctctct cctgcccgcc ggcccgcggc     360
tcctgggcct cccaggctag tcccccggct tctgcgagcg cacgtgtggt gtagagccgc     420
acaattagan ggcaggttcc tagcgacaat cagagatctc catagtcatc acgat         475
```

```
        <210> 57
        <211> 602
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(562)
        <223> similar to gi5640017 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters
```

```
        <400> 57
cgacatcaga aaactcacac tgcagaaaga ccttatgagt gcagagaatg tgggaaattc      60
ttctccagtc tccttgaaca caggagagtt cacactggag aaaggcctta tgaatgcagg     120
gaatgtggaa aaacatttac tcgaaggtct gcgcatttta aacatcagag acttcatact     180
cgaggaaagc cttacgagtg cagcgaatgt gggaaatcct ttgctgaaac cttcagtctt     240
actgaacaca ggagagtaca cactggagaa aggccttatg agtgcagtga atgtggaaa     300
tcatttcatc gaagctcttc tctccttcga catcagagag ttcacacaga aagaagtcct     360
tacaagtgaa aagaaatttg ggaaattctt tagctaaacc tctgtgcatc ttcttgatca     420
```

```
gagggttctt actggatcag gaccttatga gtgtgacaaa cgtgggatat tctttatgca    480
gaagtcttgt tttattacat acagaagagc tcccactgca gaagggcctc ttgagtgcga    540
tgaatgtgag aaagccttct gccttctgtc attggataac agattgttct cataaggaaa    600
ac                                                                   602
```

```
<210> 58
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (140)...(739)
<223> similar to gi1778844 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 58
cttctactca agacatttgt ccacatacat gcagcatgtc ctggcccact cagttcccac     60
cgcagacacc tggtcacacc acccactgaa atttggtcac ttccacattc tcagccacat    120
acaaagaacg gggcccagac aacccactag agccgcacat gcgtggccac acccagtgac    180
agctatgttt cctcaggcgc ccgcccaaga tactgacgtc acaggcccac ccagatagaa    240
tcacacccag agttcaccca tttgctgacc cagtcccaca cgacacaatc gcagctatat    300
acacttgtta cacgtatctc cactgctgca cactgacatc tggtcacaga tgcacacgga    360
cagacacaca tttggtccca cggagaccac atgcagcctc aaccagacca gtcacaccaa    420
cacactgttt ttggccacac actgtcacgt ggtcacacat actcagtcat aggtgctcaa    480
atctggtcac agcatcagtc acacagtcta ttgtgacagc cacactcata gggacagtcc    540
tctatacaca accacataca gaggtactga tggccacagc atgcaaccac ccacaaacaa    600
ctgtccccaa ggatggcctc cctcaagaca cagccatggt ggtcctatag gaatggccac    660
agcatcaatg tccatgtgac ccagccacct atcatggtca taatcccgtc acccagtgtc    720
catacacagc tgtagcatg                                                 739
```

```
<210> 59
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(404)
<223> similar to gi1545952 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 59
```

```
agtacaacaa ctcgaagggg acactatata cgacgctgtg gaacatggct tactggacgc      60
atagaatggt gtgaaattcc taacattgcc accactgtta cttctaccac tgatgatatc     120
tatgtatgac ccttagacgg accaaactat caagatcact gaccggtgcg aattcccaga     180
gcatgtacca cttggtgaat tattgcggat aacagatcct attgaccctg cagattatat     240
ccttcatgca gtcctgggat catagtggac attatcatgg tggacattat gtggtttatc     300
tagacccctg aggggatggc gcatggcgta aatttgatga ctacgtggtg caatgtgtac     360
tcatgaggat gcacttgatc acgattatgg gggtcccgat ca                        402
```

```
        <210> 60
        <211> 386
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(382)
        <223> similar to gi4235275 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 60
```

```
agggagagca gatatcccag ctgattgcag gctacattga catcatcctg aaaaagaaac      60
aatggaaaga gcgatttgga ctagaaggtg atgaggagtc aaccatgtta gaatagtccg     120
attcctcaac tgagtccacc atcttgcatc agcagttcaa ccggaccgcg aaggcagagc     180
acggctcagt gacgctgccg gacgcgatgc gctcgggctt cagcgtgcct gagaccttca     240
acgttggcag catgcccttg ccaagcagca ggtcatggtt gggcagatgc accgaggcca     300
catgcctgca ctgacctcaa cccaacatgc cctgatgggg accatttaca caagcatgca     360
cgccgtccag caggcccagg atgatg                                          386
```

```
        <210> 61
        <211> 1136
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1137)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (39)...(1136)
        <223> similar to gi414797 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

.

<400> 61
```
tgggcaggcc gggggtgagg gctcgcgctc cgggagctgc acggggctgc gtggaaagag     60
cgccgagcgg tggcgtcgtt gtcgccccct cctcgtcggg aagaatcgtt tggtctcctg    120
ccgtgcccgg aatcccagtc agaagttcca gcctgccact gttctctgat gccatgccag    180
caccaactca actgtttttt cctctcatcc gtaactgtga actgagcagg atctatggca    240
ctgcatgtta ctgccaccac aaacatctct gttgttcctc atcgtacatt cctcagagtc    300
gactgagata cacacctcat ccagcatatg ctaccttttg caggccaaag gagaactggt    360
ggcagtacac ccaaggaagg agatatgctt ccacaccaca gaaattttac ctcacacctc    420
cacaagtcaa tagcatcctt aaagctaatg aatacagttt caaagtgcca gaatttgacg    480
gcaaaaatgt cagttctatc cttggatttg acagcaatca gctgcctgca aatgcaccca    540
ttgaggaccg gagaagtgca gcaacctgct tgcagaccag agggatgctt ttggggggttt    600
ttgatggcca tgcaggttgt gcttgttccc aggcagtcag tgaaagactc tttttattata   660
ttgctgtctc tttgttaccc catgagactt tgctagagat tgaaaatgca gtggagagcg    720
gccgggcact gctacccatt ctccagtggc acaagcaccc caatgattac tttagtaagg    780
aggcatccaa attgtacttt aacagcttga ggacttactg gcaagagctt atagacctca    840
acactggtga gtcgactgat attgatgtta aggaggctct aattaatgcc ttcaagaggc    900
ttgataatga catctccttg gaggcgcaag ttggtgatcc taattctttt ctcaactacc    960
tggtgcttcg agtggcattt tctggagcca ctgcttgtgt ggcccatgtg gatggtgttg   1020
accttcatgt ggccaatact ggcgatagca gagccatgct gggtgtgcag gaagaggacg   1080
gctcatgggt cagcagtcac ggtgtcttaa tngaccacaa tggttcaaaa tgaaag       1136
```

<210> 62
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(332)
<223> similar to gi3599347 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 62
```
caagatacag aaatagaact tcatcttcag ctaaaagttg agagatggga aaaaatattt     60
ttttaaaacc ctttatgctt acaatcagct gatttttac acaggtgcca agacaattca    120
atggggaaag aataatgttt tcaatacatg gtgtaagcac aactggatat acacatgcaa    180
aagaatgaag ttggatccct atcttaaact atataaaaac attaaatgat tgaaaggctt    240
aaatctcaga actaaaatta taaaactctt agaagaaaat gcagaggcaa atctttgtga    300
ccttggattt gacagtggtt tcttacatat tatacccca gaagcccatt caggaaagta     360
ttgaaaaatc tgacttatat caaaattaga acagat                              396
```

<210> 63
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(400)
<223> similar to gi3037018 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 63
cccttgtcag aaaggtaaat ctgagcaatg tcaagaattg taaagggtcc aaaatttacc   60
ctattggaag ttaatgtatt agcttgccac agtctattgt ctctagttgt tgttttgtcg   120
ctcatttttt tgtctgaatt tttatagttt attcttctaa gctgttttct ggttctttat   180
tgtcttttct agttttcttt tttaatatgt atgatccgtt atgttttctc atttattttg   240
attacttcgg ttatttaatt gttgtatgtt tatcttgtcc gttatctttt ttgattttgt   300
taatgtcttt tctttcgtta tcgtgtgtct ctgtgttttg atttattctt aggtttcgtt   360
tttgtctatt ttgtttcgta tagtgtttat tttattgttg   400

<210> 64
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(374)
<223> similar to gi5052950 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 64
agcgagttga gcaagagcaa tggggagaaa gcttattcaa acaaattata gcagaaaact   60
tttgaaaact tgagaaagag ataaataccc aggtaaagga aggtcagcaa aaactccaaa   120
cagattgatc ccaaataaga ataccccaag tactacaata attaattctc aaaagtcagt   180
aagaaagaga ttatactatg agcaacaaga gaaaagaggc aaataatgta taaaggagcg   240
ctccaattca tgtagcaaca gaattctcaa tcaaaaccat acaggccagg agggagtgaa   300
atgacagtat taacatgttg aaagaaaaaa aacctgccat tcaagaatac catattcagc   360
caaacttatt ctta   374

<210> 65
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
<222> (5)...(262)
<223> similar to gi439877 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters




<400> 65
tgacctcaca ctatacacaa aaattaactt aaaatggata atagacccag ctgtaagagt      60
taagactata aaagtcttca aagaaaacat aggagaaaaa tcttcattcc tttgggttag     120
gcagagtttt ccccaaaaca ccaccaaaag cttgatcaat aaaaaataat acattggact     180
gcatcaaaat ttaaaatatt tgcttttcaa gacatcatta agaagatttt tttaaagcct     240
caggctggga gaaaatacag tcatgtggca gctaatgacc aggttacttt ctgagaaatg     300
tgccattaaa cattgtcatc attgtatgaa catcatagag                           340




<210> 66
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(342)
<223> similar to gi2197085 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters




<400> 66
aacaccacac atcagtattc ctgatcaaga ttttttttaaa tcaatattca acaaaatact     60
ggccaacagg attcagtggg acattgaaag gattacacat catggccaag taagatttac    120
agctggtatg caaagatgtt tcaacatgct caagtcaata aatgtaatgt ctattacatt    180
aatagaatga aggaaaaaaa tgtgatctcc attgatggag aaaaagcatt tgagacaatg    240
tcatgccctt tcatgataaa aactcaacaa ttgggaatag aaggaaacaa cctaaaatag    300
aggccatatg aacatcccac tgtaaacatc atattcaata agactgaaag gacttt        356




<210> 67
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(346)
<223> similar to gi2414492 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

37

```
      <400> 67
cacaagtctg caggaggagc actgcaacag cacgttgcgt gtggtcaacg gtctcaccgt      60
cgtgcactaa gactggctga acggtacgga gtacaagcgc aaggtctcta actaaggcct     120
tccaacctgc atccatagaa ccatctccaa aaccaaaggg catccccctta gaaccacagg    180
tgtaccccct gcccccattc tgggaggaga tgacctagaa ccaggtcagc ctgacctgtc     240
tggtcaaagg cttctacccc agcgacatcg ccgtggagtg ggagagcaat gggcagccgg     300
agaacaacta ctagaccaca ccttccatgc tggactccga cgg                       343
```

```
      <210> 68
      <211> 295
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (6)...(287)
      <223> similar to gi2981631 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters
```

```
      <400> 68
caagactgtg gtatttgcaa aagagacaaa tccatcagtg gaacagactg gggagcccag      60
aaatagacca cgcaaatata caaaagaaca aggcaatatg atggagaaaa gatagtcttt     120
tcaagaaatg gtgctggaac aactgaataa gtacattttt aaaaaacgaa tccatatata     180
gatgttatgt cctttacaaa aatgaattca gaatgtatca cgaacataaa cataaagcac     240
aaagctatca agcttcaaca agataatcca gatgacctcg tattttgcaa tgaaa          295
```

```
      <210> 69
      <211> 331
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (62)...(321)
      <223> similar to gi2065210 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters
```

```
      <400> 69
cagaattagt tacacatctt ctcctccccc tcatcacacc taatgaccaa cttgcaattc      60
ccccatcact gcgactctgg ttctgctggt ttaacagtct cagcacccaa gtgaagaatg     120
atttcaccaa gggactcaac aatacctcca ctgatttgga agcttaaact gcaacctagc     180
```

```
aattctgaac tcctcatgac acagaacagg gacaaaaagg gaggtgacag aattggttgt    240
gttaatgaat cttgattatc aagggtaaag aagattgttg caacaggatg agagaaggga    300
ggtgtgtgtc tggaacctgg aacacctgtt g                                   331
```

```
<210> 70
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(234)
<223> similar to gi1916229 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 70
aagaaacaag attgcctttg ttcacagatg acaagattgt ctatgtagaa aattgaaaat     60
aataaagaaa atcgaaaata ataaagaaaa tccctggaac taataagcaa gtattacaag    120
gttgcaggat acaaggttaa tataaaaaag tccattgttt tcctatagat catcaatgaa    180
taaatggaat ctgaaataaa tacacaattg ccatacatta gtcctcaaaa attccctact    240
atggaactcc ttaattatgt ccggatataa tgaatcatta aaaaggacct acttacatat    300
aaatn                                                                305
```

```
<210> 71
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(311)
<223> similar to gi1335196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 71
atgagaacac aaaagaataa taacaaaatg atacaggagt caattctgca aggagtcata     60
acaatcctta atgtatatgt tcctaacaag aaagcatcaa aatacatgag gctaaaacta    120
atgcaactgc aaggaatcca ctattgtagt tggactcttc atcactcctc tgtcagtaac    180
```

```
tgacagatct agcaggcaga aaatcagtaa taatatggtt gaactgaaga gccacatcaa    240
tcaactgaat ctaactgatg ttaatatact atatccaaaa ccagtcaaat aaacattctt    300
ctcaagttca cttggaatat tcac                                           324
```

```
        <210> 72
        <211> 349
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (21)...(320)
        <223> similar to gi2197085 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 72
cagaccaatg cgcgaacatc tacaaaacac tgctgggaga aatgaaagat gtaagtagag     60
tggagagata ttcatatact tgaagactca atattgttga gatgttaatt tttcccaaac    120
tgatctacag attcaatgca atcccaataa aaaaccccag cagggttttt ttgtttttaag   180
tagaaattgc caatctggtt ctaaaattca cgtggaaatt caaaatatcc agaagagtca    240
aaccagttga aaaagaataa agctagagag ctaatactac atgatctcat ggcttattat    300
aaagattcag caatcaaaag agtatgccat tagccaggtg aggtggcac               349
```

```
        <210> 73
        <211> 339
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(342)
        <223> similar to gi1916229 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 73
gctcctggaa ctgataaatg gcttcccagt tttaagatac aaaagcaatg tacaaaaatc     60
agtagcaatt ctatatacca gtaaccctca agctgagagc caagtaaaga atgcagtccc    120
atttgcaata gctacaaaaa aaagaaaaag ataaagtacc taagaataca tttaaccaag    180
taggtaaaag atctcaacaa ggagagctac aaacgctgat aaaagaaatc acaggtgaca    240
caaacaaaag gaaaaaaatt tcatgctcat ggattagaag aatcaatact gttgaaacag    300
ccatactgta caaatcaatc tacacattca gcataattc                          339
```

40

<210> 74
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(322)
<223> similar to gi1335205 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 74
atttataatc actccaaaaa attaaaatac ttacatataa agcaaataac aggtatagga   60
tttacatgct gaaaattaca gagtgctaat gaaagaaatc aaggaagatt taaatagaca   120
tatcaggtga atggattaga agactcaata ttatagatat caattctccc caaatttatc   180
taaaagttta aatacaattc ctatcaaaat tgcagtaaag tttttttgcag atatagacaa   240
gtatattcta aaatgcatac ataaaggcaa atgatctaga atagctaaac aattttctaa   300
aagaataaag gaaaaatcac tgttcaatgt taacttaa   338

<210> 75
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(650)
<223> similar to gi1405421 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 75
ctcatgaaag cctgaaaccc ctgccttccc taaatgttgg tgcccatggc cctaagccag   60
ctccagtgct cccagcacat cctctcccca ggcggatgag aacccaccag tgggtggtca   120
tccctcctac actgaccagc ccgaaccctg ggctctgagc cagacctggt gagcctcaga   180
cccgtttcca aacttcctgg atggccctgg gggcccacag atagaggttg ctcatgcctg   240
ccccacgctg gggtgattaa tgccccctgc aggtgcctgc ccctcaccag ggtcccaagc   300
tgccgacggc tttgtcatcc atccagtcac ccagggagat cctggaggca ttcctcccgc   360
ctcctcaccc tgacatccac tgtctgccag atctctcctg ccctcttctc tcttctctac   420
agctggggtc cagctcctct tcccccctgga tgatgcccct tgcctgctca caatccttcc   480
atggctcccc agtgtcctca tgataagcac cgagcactcc aggcccttgg caggcgggcc   540
atccgcatca ccagcctttc cacccagcac tggcggctgg gccccttcag gctgctggcc   600
ccccacacac catgttcttt cctcccactc cttccaatcc ctccagtcaa agtcctttca   660
gacctctcta agccccaacc ttccatctca gcccccaaat cctgctgtct ctgacgaaa   719

```
<210> 76
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(307)
<223> similar to gi4322304 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 76
tgagagtgat gatgatgatg agtttaacaa acttcctagt gacgctaaag ggaatgctca      60
cagatgagat acgaagtgcg atgggtcaga ggaggatgag gatcacagtg aaaaaagtat     120
agagcgccca agaatgcttc cttttggaga aagtggtgat gaatcagatg attttttgca     180
atctagcaaa ggacagaaac aagctctgac agacaagcca ggtcctagca cagaaagcgg     240
gaatggatat gacgacgcct acttcaggat tgcacagtgg ccgcactaaa tgtcaacaat     300
aaggagc                                                                307




<210> 77
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(328)
<223> similar to gi183817 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 77
acctcaaggg caccttttgcc acactgagtg aactgcactg tgacaagctg cacgtgaatc      60
ctgagaactt cagtctcctg gacaacgtgc atggtctgtg tgctgaccca tcgctatggc     120
aaataattca ccccatcagt gcagactgcc tatcagaaat tggtggctgg tgtggctaat     180
gccctggccc ccaagtatcc ataagctagc tttcttgctg tccaatttct attaaaggtt     240
cctatgttcc ctaagtgcta cttctaagct ggggaatatt atcaagggcc ttaagcatat     300
ggcccctgcg taataaaaaa catttatt                                         328




<210> 78
```

42

```
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(411)
<223> similar to gi334749 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 78
cggcagtcta gtagagacca cacaattcca tcactcagag tttactagca ctcagagagc       60
tgaggttact ctgtttattt attaaagaac ttttacagca tgaagttagc tctggagacc      120
actctgtgtg ctctttttct ccgacttcag caattgctac accaacgtac acatcctgtt      180
tttattacac acattcgagc ccacagctct ctgcctggcc cattggctta tggcaatgat      240
caagcagctc ttcaggttgt aacatcactg ctagaccaag ccacccaatt gcatcaattt      300
ttctactaaa attagagaaa ctcatcttaa acaacttcaa cttatacaga gattggctaa      360
acaaattatc tgacggtgcc cagattgcca gctcacaggc acagcccctc tt             412




<210> 79
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(333)
<223> similar to gi2065210 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 79
agaaaatctc agcttgcttt acaaagggtg ctgcataaaa taccggcacc atccaaaagc       60
atctgcaata ctacagcccc atgcagaggt gtccctgaag aagggttgtt aaaggaaatc      120
ctctgcgtag gcataacttc aggcaatgta cttggtggtt tgttctacct ggagggagag      180
atggccggaa gtacagatct acactgattt atgagtggtg actaacagtt tgattgtatg      240
ctgaggttat gtagaagaaa aatgattaga aaagtgttga taaggagatc tagggaacag      300
gtatgtagac agacctctcc aactgggcat aaa                                   333




<210> 80
<211> 317
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (16)...(312)
<223> similar to gi1196432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 80
ccaataacag ctgaagattt caacaaccca ctttcagcaa tggacaaatc ttcttgacag   60
gaaatccgca aagaaacctc agatttaatc tgcactacag acaaaatggg cctaatagat   120
atttacagaa catctcattc aatggctgca gatacacatt cttctcctga gcatatggat   180
cattgtcaag gatagacttt aggttaagtc ataaaacaag ccttataaca tttaaacaaa   240
aaatctgaaa taatatcaag catcttctct caccacaatg gaataaacct agaaatcaat   300
aacaagagca attttgg   317

<210> 81
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (141)...(303)
<223> similar to gi2662397 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 81
gttcgaatta tgatttaatg atggatacac cgaagtaagt gttgttatat aaaatcactg   60
tataagccta atgagttaat agatgcaggt acagatatat aagatggctg gacaaagacc   120
tccagactgg ctgaagaatt ataacattgt gctgcataac atttcaaact gatggcgcat   180
ctgctatgtt aatcatggcg gaggataagg ctctaggcca tgggttataa gccgaaggca   240
tatatgaggt aaagcagatg tgtcaaacaa atcatctctg acatctttat tatagtacca   300
cagctcacct ctctgaactt ttacctagg   329

<210> 82
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (232)...(246)
<223> similar to gi1196433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 82
tagaaaacaa atggagcaag aattaggcga tactcaaaat aataaaaata cttagaatta      60
acttaatcag aggcaaaaga cttggataac aaaaaaattc aaaactgctg aaagaaatta     120
aagaagacat aaataaatgg aaacacatcc cacattcatg aactggaaga cttaatattg     180
ttgacatgtc aacattatcc aaagcaacct acagactcaa tgcaatccct atcaaaatcc     240
caacaaggga tagtaatctt gaaacaaggg acaatagaca aaataatctt gaaaaagaat     300
aaagctgaag cactcccatt tcctgat                                         327




<210> 83
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)...(292)
<223> similar to gi244774 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 83
caaaattcat atgaaaatgc ttttgcattg taaaagagga atgaagttca gaggctccta      60
cttcccgatt tcaaaacact actaagctac aataatcaag acaaagtggt actggcgtaa     120
gcatagacat gttgatcaat ggaatagaat cgagactcca gaaataaatt ggtatattta     180
cagtcaattg agttcagtaa ggataggaag aaaattgaat gagttaagat taatcttttc     240
agtaaattct gcttgggcaa ttggatatgc acatgtaaaa gaatgaagtt ggtctcc        297




<210> 84
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(284)
<223> similar to gi3599347 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 84
aacagtgtga tgctggcata ggagcagaca tacagatcaa tggaactgat ccgacagtct      60
```

```
agaagtaaat ccatgtatta tatatttatg gtcaaattgt tttccacaga ctaccaagac      120
aattcaacag ggaaattatc ttttcaacaa ctggtgccag gaaaatggtc cacatgcaaa      180
agaatgaaac tgggtctcct aactcacacc acacgtaaaa agtaatcaaa atggatcaaa      240
gatctaaatg gaagggataa aactgtgaaa cttttagaaa agataaatgt aaatc           295
```

```
        <210> 85
        <211> 414
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (37)...(391)
        <223> similar to gi483916 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 85
ggcacgagag ctggcttttt tccataaatt ataaacctaa aattcatatg gaaatgcaag       60
aaacacaata gttaaaacaa actggaaaat gaagatagat gactcatact tcctgatttt      120
caaacttact gcaaagctat acagtgatgt aatggtataa gatgaacata caggtcattg      180
taatagaatg gagtctctag aaataaaccc ttacatttat gaactgttta ttttttgaaaa     240
gggtaccaag actattcagt gggaaagaag aatctttttca acaaaggtg cttggacaac      300
tgaatatcta catgcaaaat aatgaatttg gacctttacc tcacaccatg tacaaaatta      360
acttaatgga tcatctacca aaaagtaaaa ctataaaata tatattctta gagg            414
```

```
        <210> 86
        <211> 386
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(334)
        <223> similar to gi3776069 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 86
ggcacgagga accagaagcc agttcctgct gttcctgtcg agaagtctgg cacatcaggt       60
ggtcctccca tggcaggagg gaagaaaccc agcaaacgtc cagcctggga cttaacgggc      120
cagcaatggg acctacatgc agaacttgaa cgtagcacat gaaagactcg gacggtgcac      180
ctggagaacc ataccttta ggaccggctc gtaaattgcc attgtcagag caaggccctg       240
gtgacagagc gcacaacact ggaggggcta tttagccaag gcacaggcca atgctgaaca      300
aggacaactg gagctgtcta aattgcgagc tagtgccacg tacgtctatg atcatatgaa      360
```

46

```
<210> 87
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(382)
<223> similar to gi56525 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 87
ggcacgaggg agtggctatg ttaatatcag ataaagtaga cttcagagca aagacaatta      60
tcagagatag ggagataatg ataaaagggt caatctgcca gtaagacata atagtcctaa     120
atgtatatag accaaacaat gaaattgcaa aatatgtgaa gaaaaactca tagaacttaa     180
aggagagaaa cagatgattc acagtcatag ccagagactt caatattctt ctttcaacaa     240
ttttgataga actagacaga aaaccagcaa ggatataggt gaactcaaca ccactaactg     300
acaaaatcta gttgacactt acagaacact ctacctaata agaatacaca ttctttttaaa    360
gtgcttatgg aaaatatata tcaagataga gtatatcctg agccataaaa at            412
```

```
<210> 88
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (350)...(778)
<223> similar to gi395145 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 88
ggcacgagcc agccaaaggt aaactcactg aaaactctgt taaatgctag atgatcatac      60
aagccaccat agtgaaggtg ggcggaagac aagacaccat agtgaaggtg ggaggaagac     120
aagacaccat agtgaaggtg ggaggaagac acacttgatg ttttccaagg ccacacattt     180
actaaggtgg cagaagtgga aataatccca gggtcatctg ctttggggcc agtgttcctc     240
ccaggtgagt ccatgaggtt tagacagagg agggtcagcc atagaagtgg agaggatttc     300
tctggggcca gacagtgtgt tgtttattcc acagagactc caagcacccc aagtactgca     360
tcgagctgag cgcccagcct gtgggactta tccgggtaca caaggtccta gtggtgggca     420
gcacccaaga cagcctgcat ggcttcaccc acaaggtgca gccccagca agcagcagcc     480
cctccacgcc tatgtcccta gcccccactt ggcaagagag tcctctggct tccccacccc     540
```

```
agaaaccgtt ctttccactg taagccctga gccctccaca gacgctggct gttccctgcc    600
aggggaagaa gctgtggaca gtgcagatgc ccgcagccat cctgaccatg aacctcctgg    660
agcagcattc ccggggcctg caggccgtca tggctgggct ggccaatgga gaggtccgca    720
tttatcgtga caaggccctg ctcaatgtca tccacacccc ggatgcagtg accagccttt    780
gctttggccg gtacgggcgg                                                800
```

```
          <210> 89
          <211> 431
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (9)...(431)
          <223> similar to gi1656045 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 89
ggcacgaggg acatcattca aacaaaccag aatatattca gatgctaatg cctccactga     60
cccagaaatg gaacatgtta aatggtgaag ataaggatct cttcccttta cctgagtgcc    120
tatcttcagt tgccacagca ctgcactctg gctttcttcc atactgtgaa cctgtgtaag    180
agacaatgag gaaaacttgc ccaagccatg ctaaccaatg ctcaaccaga tcaatatgaa    240
cctccacata acgattctat gctagcgtct cttgatttac tgacgggcct ggctcgaaga    300
ctcgaacgca acatttccac atctggtacg cccaagtaac actctaacac taatgcattc    360
acggatgcta gattaaatgc tcaaaatccc acagagctat tctaccctct taaggacctc    420
accaaacctg g                                                        431
```

```
          <210> 90
          <211> 365
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (20)...(258)
          <223> similar to gi189597 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 90
ggcacgagcg tgactaagat ggaagcgttt ttggggtccc ggtgcgcact gtggtactca     60
gagtattgct ttcctgaaga actcactcac accttcatga gctgcaatct cattactgga    120
atgcatcagc gactggacta gctgaggact aatgcctctt tcagcgtcat ccttgttgtg    180
accggcaatt gcagcttcat cgctggcgtc tggaggctct acaatcttga cattcgcatt    240
```

48

```
atgattaata ccgatcttat cagagtcttg aaaagcccat agatccacag agcccttcga      300
gcaccacgca tgaagatcca tcctagagtc ctagataata acccactgaa caacttgaga      360
atccg                                                                  365
```

```
<210> 91
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (69)...(393)
<223> similar to gi296669 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 91
ggcacgagat attttaatta tttgcttttt attttttgtg tatctgttac ttttggtttt       60
ttttttttggg ggcaaagcca aaacctggct caatggccca gccggaaggc caggggcaaa      120
acccgggcaa acggaacccc ccgcccccgg ggtcaaggca atccccaacc ctaacccaac      180
ggagaaccta ggactacggg ccccggccac aagcccgggc aaattttgga attttaaaaa      240
aaaccggggt ttccccaggt gggcaaggcg ggcccaaacc cccggacctg gaaacccccc      300
ggccaaaccc cccaaagggg cgggaatcac gggctggacc caccgcccca agctcggcaa      360
caggtttttg aaccggaaat acccaggggg ctggcaan                              398
```

```
<210> 92
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(287)
<223> similar to gi763431 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 92
gaacctcccc cgattggtga gaccagaggt tgatgtgatg tgcactgctt ttcatgccta       60
tgtagaggca tttttgataa attacttata tgttatagcc agcagccatc cttcatcctt      120
```

```
agttttatgc cccggaactc ctgttctttg ctaaaaggta gaagctgctt ttgcagaatg      180
ttgccaagct gctattaccg cttgcctgcc tgttgccaaa gctcgatgaa cttcgggatg      240
aagggaaggc ttccgtctgc caaacagaga ctcaagtgtg ccagctcgtg cc              292
```

<210> 93
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(180)
<223> similar to gi4165018 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 93
```
ggctcgaggt cttagtattg cacgagctca ttatgttata tttcatacca tttatggata       60
tcactttatg ctattgtaac atatattcca ttctaattat tgtctgagtc aagacaagaa      120
ttactcttac taaggtaaag caaagcctac aaattcaaaa cctgagtcta tacaaatctg      180
ttagcagttt gagtggctgg gcttcaatat tatactctgg atgtgataca atagataaag      240
ttttttacgt ctgtaaaaaa aaggaagagc aaaagactct tgggaacatg tgaaatctta      300
aatgaagatt aagtacaacc aaatgtaaac atattttaaa aggttcttct tggacatcat      360
aatttgctct cctatgaaga tgtcatcgtt tgagccttta atgttggaaa tagcttacag      420
atgttggggc agaaaccaaa gaccaacatt gccatgttct gtgagaccac gtccaagtgg      480
atgattgctg gataggtatg tttcatgcat aacatttagt tcataaaatt atatgctact      540
ttaggaggtc cagggcccat ggattaatga aacaa                                 575
```

<210> 94
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(359)
<223> similar to gi2645431 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 94
```
cgctctactc cattagctta gtggccagtt aatgattgac cagagatttc gttaaatgct       60
atgagcctgt aagtctacca gcctttgttg aagggctggg tatgtgttgt tggggcacgt      120
ttcaatgctc tggaaggcaa ttgacaactc tgccttaact ttcagttcct gcttgcacag      180
ttgctcaagg tctttctcag gctcagacaa atgacagtga ctctgacagt gagtccaaga      240
```

```
ggcaggccca gagatcctct gcttctgaga gtgagacaga agagtctgat gatgacaaga        300
agccaaagcg cagagggtgt cccaggagcg tgcggaagga ccctttgaga tctttcctct        360
gcatggacac agacctgcac atgtcagagc ttttcagagt atctatccta tgaacatctt        420
tcctcccagc tcgtgcc                                                       437
```

```
<210> 95
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(470)
<223> similar to gi35315 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 95
ccgcggcgcc tcgacacgag cgacgtcctg cagcagatca tggccatcac cgaccagagc         60
ctggacgagg cacaggccag aaagcatgct ctgaattgcc atcggatgaa gcctgctctg        120
ttcagcgtgc tctgtgagat caaggaaaag acagtggtaa gcatccgtgg cattcaagac        180
gaagatcccc ctgacgccca gctcctgagg ctggataaca tgctgctggc tgagggcgtg        240
tgcaggcccg agaagagagg aaaaggagga gcggtggcca gggccggcac agcaacacca        300
ggtggctggt ccaaatgaca atagcattga gcactctgac tacagggcca agctgtccca        360
gatccgacag atttaccact ctgagctaga gaaatatgaa caggtgatct ttctgcatgg        420
aagagtttct gtcatgtgaa tgcgcatttg tcaaagcgaa acacggaacg ctaaccacct        480
ttctttcgtg gcgcagaaca gggagtccat gcagttggtc gctgcagagg tggtccattg        540
ttactgaaag ccctttccat ttacttaacg agtcacccgc cggtgtgtga actacagggg        600
gtggcaggcg gctgctccgc tgtggaacct gctgccctgt gccaccctgc tgcctagtca        660
caggccggcg tgtctgtgct cccacccccag gcctgtcgtg agttcaccac gccgagccct        720
atgaaa                                                                   726
```

```
<210> 96
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)...(338)
<223> similar to gi338057 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 96
```

```
ggcacgaggc tagaccgagc ctgtgggata taccaaggca taggtgccca tgggcctgag        60
gagcctctgc gcctagctgt tgttgatcct tgcccacctg aggcctctct tttctttcc        120
caagtcccgc tttgtccgca tcttgatgcc cttctctccg tacgatctcc tgaactttca        180
tgccatgctc cagtccttcc ttgagatgat acactaggct catcaggcca tggacatcca        240
cttccatagc ccggtcttcc agctcccgcc aacagaattc atactagaat ggctacgatt        300
accgttctgt ttgcctgtag atccgtcaca actcc                                   335
```

        <400> 97

```
tttttttttt ttgttataga aatctgttta atggtttagg aatgtgtaca ctctggctct        60
gccaagtttc cataaaggca acttttccat gttttaaaaa atagatttgg tataaagatt        120
tatatattca taaataggtg gcatgaaaaa ttaccaaatg caaatggaat acttgcgctg        180
actgaagccc tgttcacccc aagtccaggc cctgcagggg tccgagggtc tctgctggag        240
gaggccccaa ctccggcagc ctcttaggga agagaaactg aattaaatgt gtattaggaa        300
cccctccagc tccttaagcc agcgtcgcac tggccccacc gaggcctcag cccacctccc        360
tctgcttccc cccgccacct ccaccattgc cccctcccct gcactctggc ccctgaccc c      420
acctgttccc actctttggc aatttatcaa caaaggaaga gatgacactg ttctccttcc        480
gccccagagc ccgggctgcc gggagagctt agcctgccaa ggggaggaaa caagccggct        540
ttgttttgtc tcacacactt ccccgtcttc actcccagcc cagttttaag ggccggaagg        600
gcagtggggc cnccctcctg gtgggataca gcaggcagga gcccctgcaa ccccaggtac        660
aggtcttgag tccctggaca ccggcttttg tgcctgagag ggggtgggaa cgcttctctg        720
taggaaatgg cttcagtcca ggatccaggg gtaggggaac ctcgaccatg gggtgggttg        780
ctcctgccag ggggtaactt agcaaggccc cagggtggag ccagttctgg gactgtgtcc        840
agctaggcat ctgtgacccc aaatngcatg aataaaaggn caggttgcta agagccaggg        900
gaggncatgg ggcagggaga ccaggttggc ccagacagga cagaggtgct ccagggacag        960
ggtgctggag tgaagccagg tggagcggtg gagctgtgga gcctttgaaa catcctgatg       1020
gcccaggcct ttgttcccaa ga                                                1042
```

```

                                    52
```

```
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> similar to gi1495696 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



     <400> 98
tacgaatttg gaccatctac gtcacaggaa ttctgcacca gtagccttta gacaaccgca        60
gaaagcttcc atgatttgaa actaactgac atacatgctg ttggcatgta ctgaatggac       120
ttggagctcc agctaaagaa caatgcatct aaacttttga gtggccatta tggaaagcag       180
acatgacagt gagaatgcag aaagaattct ttttaacatg agacccagag aactggtgga       240
tgtgatgaag aatgcctata accaaggatt gtaatgtgac catgggtatg atcgggtaat       300
actttattgc aggagcctat tgctagacta tcggtctaaa tttgtcttgt cactaataaa       360
gactcccatc caacaccgct cttcccgatc ctcaagggag gag                         403




     <210> 99
     <211> 336
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (30)...(316)
     <223> similar to gi244774 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




     <400> 99
ggaacgagac aacatataat aacataaaga atatgacatt cttagggata aatatgacaa        60
acgatgcata aacacctgca tacagaaaac tacaaaactc ctgaaagata ttaaaaaccc       120
aaataaatgg agaactatac catgttcaca aaccacaaga ctcaatactg ctgagatgat       180
aattcttcac aaaattgttct gtagattcag tgcaacctca atcacaattt gaggaggctt      240
tttattaaag aagatgacat gctgattcta aaattgctgt ggaaatgtaa aacacctaga       300
atagtcagac aactttgaaa acctgaacta tagtgc                                 336
```



```
     <210> 100
     <211> 350
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
```

53

<223> similar to gi799177 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 100
ggcacgagga aagtcgagac tcctgccaaa atacatgcct tctggattga ctgcgccaac   60
agagaggttc tgccatccac ccgcctgggt accctatcac ctgccttcag cactcgggtg   120
ctgccagctc aaaccaccga gtatgccttt agccttcatc caagtgcccc acgatgatga   180
tgcccgcacg gacgccgagc actacgtacg cccctaaatg cataactact cagtgcctgc   240
tcaacgtcca acaatcgagt gccgactgcc ccaatgatac tcgtgcctac tactacaccc   300
atgtaccgta gtgtaaactg caactcccac atacgtagtg ctactagtct   350

<210> 101
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(343)
<223> similar to gi35465 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 101
ggcacgagga ggaactgaat cgcctgcagg gggagctgca ggctgtgtga gactggtgtt   60
agccaccgct cactgcaagc actgcctccc tccggggtct gtaagaggcc gtactagtct   120
acagacctca ttcccccatt ccctgtctgg agccacttac agtgaccact ctcactcatt   180
aaacatatac gtgcccgcag gcacatcgct gctccttatt gaggaagctg tcacattcct   240
aacaattaat gggctcatca ctggcgtcaa gagaggcaga cttgactcca agagcagata   300
gacttacttt ggaaaactgg gcatcgccta agcttacatg g   341

<210> 102
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(369)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 102
ggcacgagct ggaagactat acaaactgat ttcaagatta caaagcttca agaatcaaga   60
aagtatgata ttacataaaa acaagagatc aatggactaa attatagaat acagaaaaac   120
atacacatgt atttgtgtgt gtgtgtgtat atatacacaa aaaagccttt tttataaaca   180
ataaactatt tttgttcaca aacatgcaaa ggaattcact tgagaaagag taatttatgg   240
aatctattca acaaatggtg ttggaacagt ggctcatcat acacacacac acaaaaaaac   300
ttcaatccat acgtcacacc atattacaaa attaactcaa aatggatcac agacctacat   360
gtgaaagaaa atcttaaaag ttctaaaagt aaggccgg   398

<210> 103
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (283)...(591)
<223> similar to gi1196432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 103
ggcacgaggc atgcacctgt agccccagct acctgggagg ctaaggtgga aggatcactt   60
gagcccagga ggtcgaggat gcaatgagac aagatcatgc cactgcactc cagcctgggt   120
gacagagtga gaccttatct taaaaaaaaa aaaaggaaa aaaggtcccc agaatataca   180
ttttttgggga tctttatttc cagggatgac cactgcacct aacaacagca gaatgttctt   240
ctcaactaca ctaggaacat tctgcacgct aggccatgaa acctcaatag attaaaatga   300
tagaatgaat acacagtatg ttctctgacc acaatagaat gaaattagag tcaataatag   360
aaaggtattt agaaaaccca caaacagctc actcttaaat agtcagtggg ccgaagagga   420
aatcaaaaga gaaataagaa aatacactaa gaaatacatt gagatgaatg aaaatgaaga   480
catggcatac caaaatgtat gggataaagc tcaagcaatg cttctaggga aatttatagc   540
tgttaatgcc tacaataaaa agaaagctct caaatcagta atcgattcac caccataaga   600
cactggg   607

<210> 104
<211> 1326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(716)
<223> similar to gi186774 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

55

<400> 104

```
ggcacgagaa tgagaggaaa tcctatgaat gtaaggaatg tggaaagacc tttcttcatg     60
gctcaaagtt taatcgacat cagaaaattc atactggtga gagaaactat gaatgtaagg    120
aatgtggaaa gacctttttt cgtggttcag aacttaatcg acaccagaaa attcatactg    180
gaaagaggcc atatgaatgt gaagaatgtg gaaaagcctt tctctggggt tcacaactta    240
ctcgacatca gagaatgcat actggtgagg aaccttacgt atgtaaagaa tgtgggacat    300
cttttatctg gggttcacag cttacacgac ataagaaaat tcatactgat gcagaacctt    360
atggatgcaa gaaaagtagc cacatcttta gtcaccattc atatatttact gaacaaaaaa    420
ttcataatag tgcaaatctc tgtgaatgga cagactatgg gaacaccttt agtcatgagt    480
caaactttgc tcaacaccag aatatttaca cttttgagaa atcctatgaa tttaaagatt    540
ttgagaaagc attttcttca agctctcact tcatttcact cttgtgaaat attatataaa    600
agtgtaggaa gggctttatt catgactcat taattgatgt catttatttt tttctcttga    660
ggaacaccac aaatgtaagt aatattggaa ggcattttaa cagagcacac atccagcagc    720
agcagcagca gcagcagaga attcatcatg caatcaatat aggaaagaaa ttactgatca    780
gttatcaatt gcagaatatc agggtaaaat tttatgagat agcatgaatt cttttttgaat    840
cattctcaaa acattctcat cagagatgtt gcataaagaa tttatatata atttggccaa    900
gcatggtggc tcacacctgt tatcctagca ctttgggaaa cagaggtggg tggatcacct    960
gaggtcaggg gttcgagacc agcctgacca acatggtgaa accctgtctc tactaaatat   1020
acaaaaatta gccgggcgtg gtagcacacg cctgtagtcc cagctactcg ggaggccgag   1080
gcatgagaat tccttgaacc tgggaggtgg aggttgcagt gagccaagat cacatcactg   1140
cactccagcc tgggtgatag aacaagactc catctcaaaa acaaaaaccc acaagaattt   1200
atatatattc attttggaaa tctttcatct tagcaaaatt ctgttgtatt tccacaaaat   1260
catgtaatta atccagaaag cttgaactat gtctacaatt tatttggcat gtctgttcat   1320
acatcc                                                               1326
```

<210> 105
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(526)
<223> similar to gi1196432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 105

```
tttactgccc aggctcaaaa caaaaaaacc ccacaaagca aaaacttcaa cctacagcta     60
acatcacatg tgatggtgaa agactaaata ctttcacctc taaaattagg aacaaagcaa    120
tgctcttata tggtctagat gtactatatg tactagaggt cttagccagt gcattaagac    180
aataaaaaga actaaaagca taaagattag aacaactata attactccca agaagcatga    240
ttgtgtatct agaaaatcct aaggatccaa aaagctacta ataaatgaat ttatcaaagt    300
ctcagtatac atgatgaata tattttaaaa aatcaattgc atttctatat actaagaatt    360
agaaaatatt tttaaacatt tcatttataa taacaaaaaa tacttttgtc atgaattcaa    420
aaaaagttat gcaaggcctg tctactgaaa actacaaaac actgcaaaag taaattaacc    480
aaaacccaaa taaataaaga aataaaccag gttcacggat tctcgtgcc                529
```

```
<210> 106
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(325)
<223> similar to gi2224569 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 106
ggcacgagga tcagctacag gaaaaacact tggagtgctg aaggccggtt ccggaggctg    60
aacactgttc tggccatagc gaactgatcg tactgaagct cagatggaag ggccatagga   120
atgcctgcga cggaagccca tgtctcggat catggaggag accactgtca tgcaagaaga   180
ggaagacgag gagtctatag cagctgcccc tggacgtagg ggtcgtacag atggagagga   240
tgatgcctca gcatctagca tgctacagct agagcgctga atagaatgac tctgcatgcg   300
gcagctatgc tttcgcataa agc                                           323



<210> 107
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(13)
<223> similar to gi288145 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 107
gcaggagttc aagaccaacg tggccaacat ggggaaagcc catcactact aaaaatacaa    60
aaactagcca ggcgtggtga cacacatctg taatcccagc tactcgaggc gctgaggcag   120
gagaatcact tgaaccagga ggcagaggtt gcagtgagcc gagatcatgc cactgcactc   180
cagcctgggc cacagagcaa gactccatct gacaactagc tgttccagcc cccagccact   240
tgagtcatct cagctgaggc cccacacacc aagaagcaga ggtgagtcta atccacagag   300
ccctggtcag acatgatgac ggtggcttca cccggggggtc tccgcacagc agcggcctcg   360
ggtaagcaga acctcgctcc ggggtttaca aatccttcct cgtgc                   405
```

<210> 108
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(330)
<223> similar to gi2323287 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 108
```
ggcacgagaa aggatgcctt tttctatata gcgttacatc ctgactctca atacctgttt        60
gccttcgaag atccctctgg ccagatgccc agttaacatg gacagtgctg cctcagggat       120
tttgagacag tccccacttg tttggacagg tactgtcaaa ggacctctct gagtttttccc      180
atcctcaggt cagggtcttg ccatatgtag atgacatact gttttgtgcc ccaactgagg       240
aagcatctca ggaaggcagt gaagctcttc ttaatttctt agccaacaga agatataagg       300
tttcaaaatc taacatcaag ctttgccaaa                                        330
```

<210> 109
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(345)
<223> similar to gi763431 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 109
```
ggcacgagaa tttttaggcc accgagcttc tataacatgg tcatgagctc gggtgcacca        60
tagatttccc aaagctgagg ttgcataacc cctctgctga ggacagatct taccgaagat       120
cgcacgaagt gctgccatgg agatctgctt gaatgcgctg atgacagggc agaccttgtc       180
gaggatatct gggaaaatca agattcaatc tccactatac tgattgaatg ctgtgaaaaa       240
cctctgttgg aaaaatccca ctgcattgcc gaagtggaaa atgatgagat gcctgctgac       300
ttgccttcat tagctgctga ttttgttgaa agtaaggatg tttg                        344
```

<210> 110
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(425)
<223> similar to gi2981631 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 110
```
ggcacgagga ctcgaggaat atagaagtaa catgagtaac cctatagtaa agggagttga    60
ttttatagtg aaaagacctt ctcatgaaga gaaatccagg atcaaatacc ttcattgaga   120
aatctactaa gcatttatgg aagaaatatt agcagatcta caaagttttt caaagagata   180
gaagaggaag gaacacttcc caattcatct tatgagacta gtgtcacccc agtaccattt   240
ccagagaaga aatacaagaa actacagacc actactcctc ttgaacatta acttataagt   300
tcttaacaaa atatattcaa aactttataa gtaggatcat acatcatgac caagtagggt   360
ttatcttgtg gaaaatgttg gtttatcatt cataacccaa gatagttcac catattacaa   420
aatacatata attgtctcaa ttcatgtaga gg                                 452
```


<210> 111
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(755)
<223> similar to gi306782 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 111
```
ggcacgagcc catgtgtggg gagacccacc aggccctgca ggggggccatg gagaagctgt    60
ggagccgctt tatggagctc atgcaggaga gaaggtggac ttgaaggaga gggttgagga   120
actggaacat tgctgcatct agctgtctgg agagagacag acaccatcgg ggagtgggaa   180
gccagggcac ggcaaagaga gctgcacatt ggtcagaggg gccccagcgt ctgagtcctg   240
tcctcctgca ggagagtaca tcgcactgta ccagagccag agggcagtgc ggaaggagga   300
ggagtgcatc agcaggctgg cccaggacaa gggagaggtg aaggtgaagc tgctggagct   360
ggcgtggctt gtggacgact gcaacaagtg gcatagcaga ttcctggcag ctgcccagaa   420
ccctgctgat gagcccactc caggggcccc cgccccccag tagcttgggg ctactgacaa   480
gccagggtag tgagtagagt cctcaggcac agtgggcacg caggagcagg ggagggctcc   540
cacagcaccc tgcctccctc tctccaaaga tctttgtgag gtgagccttg ccagcagtgg   600
ggagtctgca caaggagagg cggggaagca ttctccctgt gacaaccca ctgagcagca   660
gatcatgcaa ctgcttcatg agatgcagaa cctccaggag cacccaggct tgggcagcag   720
cccttgcatt ccttttttgt accagactga tga                               753
```


<210> 112

```
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(311)
<223> similar to gi9453 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 112
ggcacgagct ggggctacca gcccggcggc accatgttca ccagcaccgg ctccagtggg      60
ctctgtgagt accggcctcc gccatcctgg ctgtcccta cacgccaccc taggcacctc      120
tttgaggagg ctggggcagc ggtgaccctc gggtttgccg gaggtggtgg ggccgaccct      180
ccagacccgc gtccgaaccc tgctagttcc cggtcttggg ggtcaacgga aaccgtcccc      240
atttcggcct ggaggggcga atggggacca agccccgccg tccgccccga ccccacctgg      300
tatccccagg tgcgcttgcc agaagtatct tgacaccagt agtaattggc ctggtgccct      360
ggtgccctaa cttgtcatac cggaatgtct ctaattccg                           399


<210> 113
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(319)
<223> similar to gi439877 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 113
ggaagaatat cctcttcaac aaatgatgct gggacaacta gatatccaca tgcaaaagaa      60
tgaagttgga ctgttccctc atgctacata taaaaattaa ctcaatgtga tcaaagacct      120
aaatataaag agctcaaact atgagaaaag acataggggt aaatctccct gaccttggac      180
ttggcaatgg tttcttaaat atgataccaa aagcacaagc aactaaagaa aaaataataa      240
attgggcttc aacaaaatta aaaacagaaa gtgaagacaa ctcacagaat gggagaaact      300
atttgcaaat cacatatatt gtatctgtta cctgtattat gttacttata tctcgtgcc      359


<210> 114
<211> 331
<212> DNA
<213> Homo sapiens
```

60

<220>
<221> misc_feature
<222> (43)...(333)
<223> similar to gi562757 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 114
ggcacgagga tgctcaatgg ccttgatgtc ctccgcaaag taaacatgtg aagtactctg   60
gggattcaca tgatagtgcg acgtgcgagt cttctgactg tgtgccgact gttatacttg   120
acctttgaag actgggttca tactatgact gctactcaga ttacccctgt ctcattcccg   180
caataatgtc accctttata taccacaatg ataaggtaca accccagact ctgtcgacta   240
tcgcaagaca ggatatgtta ctcctgacag aaatcatgct cattgcggat cctgctgggc   300
ttttatctct gtgtttgccc tggagggcca c   331

<210> 115
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(399)
<223> similar to gi285985 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 115
ggcacgagtg ttattggagt caagaggagg taaactcaaa acacatctca ttttgtcatg   60
aaaaattcag ctagtttctt tggaatttga agtgtacaca ttataaagac ttataaagct   120
taataagtta aattgaaagg attattaatt gatttttctg tcctttgtat ttcaggtatc   180
tatcacttcc aaagttcagg agcttcagaa cttattatta ggaactgagg atcagatgaa   240
taccatgaat gctgttctgg aagaaaatga gacatgacca tacctataca ggtaaatttg   300
tacacgtgat ataatttgct gttacaaatt acttgtttat agtctctttc gtattaattc   360
atcatactct tataactatc agtataaata gcgtggacg   399

<210> 116
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(658)
<223> similar to gi5726238 in the genepept database release 114,

<400> 116
```
ggcacgagag cttcaatacc tggtatttat cagtagcaag gcttggccca gctagaagtt      60
ggaagatggg gagacctagt cagctgggga aaataacaac tataatacta tcctatagct     120
agatctcttc aaccacagag aaggaaaatg gtccaaaatt ccatatgtat aggccttttt     180
tgccctgcag aataaccgca agctctgtca gcaatgtata atagaccttg cacttatagc     240
agtgatatcc agccagactt aatccagaca gaagggaaaa aacagtctgc ctccttagaa     300
gaggagacag aggcccctgc accagcccag gtcccagctc ctcttggatc atctcgtccc     360
ccttatccag gccccctttt gaacctcatc ctgttagaag agttcgacct ggatgcgctc     420
cagcatcact tcttccttta caggaaatgc atagtgaata tggtcctatc aaagtacaag     480
tcccctttc tttacaagat ttgaggcaga taaaaagaaa tctaggacaa ttgtgtcgac     540
ctggataggt atattgaagc ctttcagaac cttaatcaaa tgtctgagct ttcatggaag     600
ggtatcatgt tacttctcaa ctagactctt agagcttcag agaagcaggc ggcttta       657
```

<210> 117
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(259)
<223> similar to gi4760577 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 117
```
ggcacgagat tttcatccaa aacaaacact ggacttcctg cggagtgaca tggctaattc      60
gaaaatcaca gaagaggtga aaaggagtat agcacaacag tatctagatt tgacagtagc     120
ccggaacaag tggaccctga tgccgaagtc gatgcagccc catctaccac atcttcatgt     180
ggacattgag attcacacgc tggctcctga agggtgctca gtctccttgg tgattaaggt     240
cctgcttgaa ctggtgccaa ctccatggca gggaagttgc ttttggttgc ctggctgggt     300
ttcccagatc ccttctgggg caaggagcta tcagaccctg ctttcaag               348
```

<210> 118
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(351)
<223> similar to gi5360093 in the genepept database release 114,

<400> 118
ttgcctagca catggcaggg tgcagcgcct gtctgaatgt gtgaagagtt cttagtgatg   60
ggtaaagggt gttcctgtgt gttttagatt ctgctcagca atcctcagat gtggtggtta   120
aatgattcca atcctgaaac cgacaaccgt caagaaagtc cttcccagga aaacattgac   180
cgagtgagtg acaggccttt gtgccctcag cttggacagc ctcgggtggg gttgcttggg   240
gtaacctggg tgaatcaggc agcaggactg ggggagtccg tgctgaaacc ttggctccca   300
ggctccaggt gtaacctgcc cacctcagag gccacccacg cagtaacaga gggcagggga   360
ggcctccttg gaaagcagga aaactgggga agtgtcagga agttctcttt aggtttgctg   420
cctttg   426

<210> 119
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(417)
<223> similar to gi4240195 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 119
agagagaaga aaagaaggac caaaggaata gtcagcagat atggagaata atggatgaga   60
agaggaaaga ggggaaaaag gagggagaag acagaatgag aagtgaaaaa gagaaaaggg   120
aaaggattaa agagataaaa atgagaaaag aaaagaagag agaaggaaac gagaagaggg   180
aaacaaaagg aaattagcag ttaaaaaaaa gatagcgtaa cattggaaaa tgaaaaacaa   240
gaaaagtaaa acagggcaca caggagggat ggcagcaaag gatcagcagc aagaaaaggg   300
agcgatggga gggcatggct ctcagagaac ccaccccttgc ccacccagcc gtccagcccc   360
tgccgcatgc aggcttactg aatgaactgc agccctttct cgatgtccgc tcgtgcc   417

<210> 120
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (376)...(379)
<223> similar to gi5912574 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 120
ggcacgagat taatacatca aaatttttgc atatcttatt aatgtatcga ataattaggc      60
taaatttttg cataacttat tgatacatca gaaggtcaac aacatgaatt caaggatgcc     120
tatgttctgt tgagtgaaac agaaatgtct agtgcccagt ctattgtacc tactcttgaa     180
attgccagtg ctcagtatac acctttggtt gtcattgctg aagatgttga tggagaagct     240
ctatgaacct tccttttgaa taggctaaaa gctggtcctc aggttatagc agtaaaagct     300
ccaggtttgt tgacaataga aagaaccagc ttaaagatat ggctcttgct gttggtggtg     360
cagtgtttgg agaaggggg                                                  379
```

```
        <210> 121
        <211> 361
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(345)
        <223> similar to gi1196433 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 121
ggcacgagac tctttccaca tctattcaac actgtgtggg aggttctagc gagagcaatt      60
tggcaagcaa aaagaataaa agtcatccag attagaaaga aagaagtaaa atgatctcta     120
tttggagatg acataatctt gtgtaaagaa aaccctaagg aatacacaca cacacaaaaa     180
aaaactatta gaggtaataa atggatgcag caaaattgca ggatgaacga ttatatacaa     240
aaatcaatta gttccatact ccagcaatga acaatctgaa aataaaaatt taaaaaaaat     300
ttcatttata ataacatcta aaaaaataaa atacttggga atataacacc taaagtgcac     360
t                                                                     361
```

```
        <210> 122
        <211> 371
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(372)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (264)...(371)
        <223> similar to gi695632 in the genepept database release 114,
```

64

Run with FASTXY 3.3t00, default parameters


```
<400> 122
ggcacgaggg gacttcacag gctcggagtg aggattgaat gatgcagttt gcacagaggg     60
cttagcacag gacctggcac attgcaaggg ccccaagcaa catgtgggaa ggggcgtgga    120
acaggtaaca gccggccatc tgggatgaag gccatggngt gggccgtggt cataagggtt    180
gggtcccaga tgacaagggc agctgaatgg agagggtgca gtgcagccgc acctgccctc    240
tcggccacct ggctctgcag ggagtggtga ccatcaacaa gaagaggaac cttgtggtgt    300
ctgtggacga cggtggcacc ttttagtntg tttgcaccga ntgtggaang ggacctcgnt    360
ccaccaggac c                                                        371
```


```
<210> 123
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)...(290)
<223> similar to gi1906810 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```


```
<400> 123
ggcacgaggg gagaaggcgg ggctgggcct cagcttccca aaggtttttg aggaactggg     60
cttttctgac accctcaaag gtcagaaggt taaaggggca gaaggcattc ggaaagctcc    120
cctcccacag tgacacctct ctgacttctg acctagggtt ccaccaccgc ttcaatccca    180
atgcctccag ctccttcaag cccagtggga ccaagtttgc cattcagtat ggaactgggc    240
gggtagatgg aatcctgagt gaggacaagc tgactgtgag tggcctttga ctccaggaag    300
cctcgagcct gggagaaccc tgttgtctaa gatcatctgg cttagggagg ggcttgaggt    360
gcaggggctt cctgagccga tggatggggc tt                                 392
```


```
<210> 124
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(367)
<223> similar to gi2072971 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 124
ggcacgagat gctgttgaaa agttgatttg agaaggaaat gccaataaag actcaaaaga        60
aaatactaga aattaaaaag aaaactaaca gaaacaagga atgcctttga taggttcatc       120
aatggactgg acacagctga ggaaaaagat caatgagcta aagatatgtc agtagaaacc       180
tctcaaactg aaatgcaaat agaaaaaaaa gactaaaaaa taaaacagaa gagaatatcc       240
aagaactatg ggacaatttc aacacaagta acatgtgcta aattggaata ccagaagaag       300
gaatagagaa tgaagcagaa gaaatatttg aagtaataat ggcagataac tttccaaaat       360
taatagacac caaacaatac atccaaga                                          388
```

```
<210> 125
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(378)
<223> similar to gi5832878 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 125
tgcatgttta ctttattaga gtaggaaggc tactggcatt aattattaat accaaatatt        60
ttagccttaa atttttgtca ttttaaaatc tgatttaatg ttttctgctg tttaaggtct       120
tgggaggctt tcaattgcat tttatatgac agaatcactc ttttttgtgc tatttatggt       180
cttgcttata tataaccttt acttgtttaa attgtgattt ttataccttt ccacttctca       240
gttctatatt taactttttt tattattctt tatctttgtt tattttatgt tgtacttctt       300
cgttttttat tttattacgt tctgcttta tgactctttt gtttctagta ttcttttctt       360
tattgcttac tttatttatc ctgttt                                            386
```

```
<210> 126
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)...(363)
<223> similar to gi5832878 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 126
```

```
gctgatgttg gggagacgga cctcagtgtg ttttatattg tctggtgtta agatgataaa        60
ttacttggtg attacgagca aattttctat ttgacaaagc ccttggtgga gtccaaatga       120
tttttctgta ctatattgtt cttttacaca tacctatgtt atgattatat tcacactttc       180
atatacattg ttctcttaca cattcgtttt ataggtatta tctttcattt tcaatgtgtt       240
tcttttacta tatatttctc tttatattat actcttttac ttatatttat tattttcttt       300
ttattttctt attctaatct tttactatta ttaatattat ttttttttct cttcttttta       360
tattatttat                                                             370
```

```
atcgacgtgg acgaggacgt gatggagacc gtgaagatcc tctacgtgcg caacctcatg        60
atcgagacca ccgaggacac catcaagaag agcttcggcc agttcaaccc cggctgcgtg       120
gagcgcgtca agaagatccg gacctacgcc tccgtgcact tcaccagccg cgaggatgcc       180
gtgcatgcca tgaacaactc aaccggcact gagctggagg gctcgtgcct ggaggtcacg       240
ctggccaagc ccgtggacaa ggagcagtac tcgcgctacc agaaggcagc caggggcggc       300
ggcgcggctg aggcagcgca gcagcccagc tacgtgtact cctgcgaccc ctacacactg       360
gcctactacg gctaccccta caacgcgctc attgggccca cagggacta ctttgtgaaa       420
gcaggcagca taagaggccg agggcgaggt gcagctggca acagagcccc agggcctagg       480
ggttcctacc tcgggggata ttctgctggc cgtggtatat atagccgata tcatgaaggg       540
aaaggaaagc agcaagaaaa aggatatgaa ctggtgccga atttggaaat ccctaccgtc       600
aacccagttg ccattaaacc tggtacagta gccatccctg ccattggggc tcagtattcc       660
atgtttccag cagctccagc ccctaaaatg attgaagatg gcataaactc acatcagtgg       720
agcacatgat cacgtcccat tgctgtgcag ccgagaccca gcccagctac gtgtactcct       780
gcgacccccta cacactggcc tactacggct accccctacaa cgcgctcatt gggcccaaca       840
gggactactt tgtgaaagca ggcagcataa gaggccgagg cgaggtgca gctggcaaca       900
gagccccagg gcctaggggt tcctacctcg ggggatattc tgctggccgt ggtatatata       960
gccgatatca tgaagggaaa ggaaagcagc cgccgcagcc gctgtcattc ccactgtgtc      1020
gacgccacca cctttccagg gccgcccaat aactccagta tacacggtgg ctccaaacgt      1080
tcagagaatt cctactgccg ggatttacgg ggccagttac gtgccatttg ctgctccagc      1140
tacagccacg atcgccacac tacagaagaa cgcgg                                 1175
```

```
            <220>
            <221> misc_feature
            <222> (9)...(393)
            <223> similar to gi439877 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters




            <400> 128
ggcacgagtg cttatcaaaa gacaccatta agaaatcaac tggcaagctg tagaataaga        60
ggacatattc gcaaaccata tatctgacaa aggacatatc cagaatgtat agagaaccca       120
taaaactcag taataaaaag aagaacctaa ctaaaagaca gaaaaaagac ttgaagaaac       180
gccggacaaa agatggccca atacatacat gaaaaagtat acatcatgga tcatcagaaa       240
aatgcagttt gagactataa taagatacta ctacgcatac ccattagaac agctaaaagt       300
agaagattga caacacaatg aaaagattgg caagtgctgg tgaggatgtg aagcaaccca       360
aactctcata cattattggt gggggtgtaa gtaaaatggc acaactactg tcgacaaagg       420
gcttgaagtt ttctgt                                                       436




            <210> 129
            <211> 669
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(670)
            <223> n = a,t,c or g

            <220>
            <221> misc_feature
            <222> (5)...(669)
            <223> similar to gi2072958 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters




            <400> 129
ggcacgagac agactccagt aataaaaatc agaaatgaaa gaagacattg caactgatga        60
tacagaaata caaatgatca caagagattt ctagaaacaa ctatataata ataaaatttg       120
acaacttcaa agcaatggat aaaattcctag gaatttacca agcctgactc atgaagaaat      180
aaaaattctt tgtagaccaa taacgagtaa ggagacgtaa tctgtaatca aacaggtccc       240
aacaaggaaa agcttaggac cagtgacttc actgaagaat tcttgcagcc atttaaagaa       300
ctaacaaaaa tccttctcaa actcttgcaa aaaatttaga acaaacctcc aaattcattt       360
cagaagtcca gcattaccct gataccaaaa tcaggcagat actttaagaa acgaaaacta       420
caaaccaata tccctgatga atgtcgatgc aaaaatcttc agcaaaacac tagcatgctt       480
aattcaacaa cacattaaga gttacaccaa ttacttttag aatgcaagaa gatggttcaa       540
tatatgaaaa tcaaattaag acatcacatt aacaaaataa tgggacaaaa accacatagg       600
gccagggggc agtggcttca tgcctgttaa tttccagtac tttggggagc ccgtgggtgg       660
ggcagnttc                                                               669
```

68

<210> 130
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(25)
<223> similar to gi4884104 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 130
ggcacgagga gccaggaggg cctccagggg ttccttgtgg aggctcaccc ggacaatgcc   60
tgcagcccca ttgccccacc accccagcc ccggtcaatg ggtcagtctt tattgctctg   120
cttttaatac ttcactgtat tttgacctca cggattttcg cgtccatttg gctatattta   180
ttgactttt actacaatct tccttttcat cataattgct ctaactttca tccttgtttt   240
aacctctttc attttattcc tattttctc catgacttat catcccctgc tcaatccctt   300
tattatttta tatttacaat g   321

<210> 131
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (9)...(288)
<223> similar to gi2065209 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 131
ggcacgagga aatgcggatt aaaagatggc ccactgtgag tgagctagca atgcctgatc   60
tcccttggtt taatgtagag gaagggatcc aaaggtttaa ggggattggg atggtggagt   120
ggattagtca ctttagacag actcatccca gctggaaggg accaatgcct tgtgcaatag   180
atttgtgaga gcagcacctg cacctttgaa aagccctgta attgctttc tctagatgtc   240
agatctaatg gtgggaactg cagtcactta aatacaaaat ttaaatccat gcctatattt   300
gttgcagcac tatttacaat agcaaggtat gaaatcaacc taagtgccca tcaatggtag   360
actggataaa gaaaatgtag tacatatata tcttggaata ctctacaggt ataaaaagaa   420
tgagatcatn gtctttgca   439

69

```
<210> 132
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(301)
<223> similar to gi187171 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 132
cagcccgtaa ggatgatcta cctccaaata tgagattcca tgaggagaag aggctggact      60
ttgaatggac actgaaggca gggtgagaaa aaggctagcc ctcgaagtga aataagggct     120
gggagggcca agaatgatga tagacggtga gggactgagg gatcagctga tgagttaagc     180
ctcaacacct gtcctagggc tttgcagatg gccctcaaac gtgtttacac cctcctgagc     240
tcctggaact gcctagaaga ctttgatcag atcttctggg gccagaagag tgccctggct     300
ggtcagtggt tccccgaggt ctccataatc ccttaatggc ccctctggat gactcatcac     360
actccacagt cccccgtaac tctttgcaag aagagacctt atcatatctg gtcaactcag     420
agaggccttg agaatgaaaa cgcagaagct gggttcaggg agggttatat acctgaaccc     480
ctggggtaga ttttggagaa gggatatgca ggctgtggta catatatcct cctttcaccg     540
cccaccaaag agaacgttcg ccagtgctgg caggatgatg agttgttcag cttccctcgt     600
gcc                                                                   603


<210> 133
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (133)...(264)
<223> similar to gi347319 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 133
ggcacgagga catctaccga ccctacttta ttttttagga aaactttgta gcggccttat      60
caaggtccag cccagagcat tgcacagagg ctgtgccatg taaacactca ctgaccccat     120
ggcgagtgac tcccttctca cctttgcttg tgtctgctag agacagaatg gatgaagcgg     180
aaggcgtctc ggaggggagc ataggaagag gaggaggagg aatacgacta ctctggagag     240
gacatgaagg ctatcatgga gcgtcacaga gaggaactca ggtactacca acttgtgaaa     300
gatgatcttg aaagattaga tggaatagcc ag                                   332
```

70

<210> 134
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(364)
<223> similar to gi535586 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 134
cccacgcgtc cgctcctgac cgggccttca gggtggacag agggaggatc ggtcatggca   60
gccacacctg ggcctggcct tgctccggga cctgccagag gagctggcct ggctctgtgc   120
ctgcctgcct ccaggagcag gacggtggct gggagggtag tgactgggga cacaggtgca   180
ggtgttagtg caggaccgga agggtgaggt ggcctggtcc tcggggctcc tggcctgggc   240
tggctgaggc aggactctgc caaaagtccc ctgccaggcc tcatggtggt gctcctggtg   300
gcagtggctc tctggccgcg ggccctgtct gtgtctccgt ggtggctctc acagggctct   360
ccagacactc ctg   373

<210> 135
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (335)...(21)
<223> similar to gi456090 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 135
ggcacgaggc tgaacttcag gtggatgatg agacaaaata gaccgatagg aatcgtctgg   60
ctatatactc cttgttgcca ctgctgagtg actagactgg cccagagatc cgcggtgcac   120
atgctggccg ctcctccctc agaaaaaggc aatggcctaa atactgttta aatgacctga   180
ctcgatgctg tgggaaactg gctgctctgc tgcatgccgt gtgactgtca gtccaaccgt   240
tacatttgcc acgttctcca cacggggggat agacgcaatg cgcccaggtc ccagtttttct   300

71

<210> 136
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(397)
<223> similar to gi5689485 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 136
```
cagaaagaga agtagttgtg agacaacttc aacaaaaaca gggtgacgtc ctaaacaatc      60
aacaacaaaa gctttgctgg atgcttcatt gcgtcactgc gtccattgag aaagtgagat     120
gtaggattca aggaagaaat taggtcagat gagaattcaa tttcaagaaa aatggaatca     180
acttacagcg actataaaat gtactaagga gacgcaaggc cacgtacaaa aacttgaaat     240
agaaaattct agtgttaaga aatacaatta aaaagcaaga tggccaaatt gagcagcttc     300
agaaaatcct gcgaagttca agtttgatgc agcagttatt gcaagaaaat gaaactacag     360
aaatagatga agcttcttct gaatttaaat ctggatcctc tgtagcagag gttcccaacc     420
tacaggccat ggacaggtcc atgacctgtt aggaaccagc tgcacagcag gagagttact     480
gtggatcttc tagatcatct gcatgccatg tgaatcttaa aaccagtttt taatttctac     540
aaa                                                                   543
```

<210> 137
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(298)
<223> similar to gi3600028 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 137
```
agatgaaggt gatgaagaca ggttggacaa tgcagtcagg ggccctgggc ccaaggggcc      60
agttgggacg gtgtcggaag ctcagcttgc tcggaggctc accaaagtaa agaacagccg     120
gcggatgctg tcaaataagc cacaggactt ccagatccgc gtccgagtga ttgagggccg     180
acagttaagt ggtaacaaca tatggcctgt ggtcaaagtt cacgtctgtg gtcatactca     240
ccgaacaaga atcaatatca tgaaactacc ctattttga tgaagtagta tttcaatcag     300
tcaatgttat cccatctgat tacgtgcatt agatatccgg catccaggtg aattccttcg     360
```

aatttctgac aattacctta taaatcgcat gtcattgata acg   403

<210> 138
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(347)
<223> similar to gi530878 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 138
ggcacgaggg aagagggaac gggtcctggc ggtgctttgc aaagggcccg tgtttctgtt   60
gcgggaagct cccgggggtc gcacgtgcgt cctagcccac gcccctcccc tccactcccc   120
ttcctgcgtg ccccggaccc acctagcgga tacgctcttc tcctccctcc ttgacgcctc   180
tcgtccctcc aaaccatctc ctcctacatg ccctcacttc gcctctttcc cttccatcct   240
cacctctctc cccaccccgc attgccatct cctcatcccg actcccacga ctccatctct   300
gctcgccgtc tcttcccccc ctcatcctct cctctctcta ccccccg   346

<210> 139
<211> 1672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1672)
<223> similar to gi3002527 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 139
aacctccgcc gcccgggttc aggcgattct cctgcctcag cctcctgagt agctgagact   60
acaggcacgc accaccatgc ccagctaatt tttgtatttt tagtagagac gaggtttcac   120
catattagcc aggctggtct ggaactcctg accttgtaat ccactcacct cagcctccca   180
aagtgctggg attacaggcg tgagccactg cacccaccac attaactttt tattacttaa   240
catatctgag cacttcctgt gagccaggca ctatgggaga ttaaaaagca ttaaatgtgg   300
tccctgacat tattgtgaag ctctgagaag atgtcatgca aagacacttg cctatgtgcc   360
actgccaccc tctgccctgc tttttgggtc aaggtacctc caagcgcctc actcctgcag   420
ctgcattttt ttttatttat tttttttttg agatggagtc ttgctctgtc acccaggctg   480
gagtgcactg gtgaaatctc ggctcactgc aaccttcgcc tcccgagttc aagtgattct   540
cctgcctcag cctcccaagt agctgggact acaggtatgc gccaccacac ctggctaatt   600

```
tttgtatttt cagtagagaa gggtttcacc atgttggcca ggctggtcgt gaactcctga      660
cctcaggtga tctgcccact tcggtctacc aaagtgttgg cattacggcg tgagcacctg      720
gccacgcagc tgcaatctta ggcccatcat tccactgagt tccgaagaat atagcctttt      780
cctgaagaaa ctcctttctt caatgcttca ggccagttgt gagtctctaa gtaagtggac      840
aggatatcaa acacttgatt gatggccagt atctctgaat gatagttttt cccattctgg      900
tttctgacca tgtattcctg gattggcaag cgtgcggtct tgacagagta ttcccgggcc      960
ttttgaaatg tcaccttctt ctgaatgctt tcatccacaa gcccaccgag gatgtaaact     1020
ttgtttagat caacatcttc aagagcgtgt tctgagtcag gagtcaggta cacaagggtt     1080
tccaagggaa ataaactaaa gcagtcttct tctgttatgt ctaacaggta actagaaaat     1140
ccatcattca tcctcacaca ctcttcataa aggggactgt ctgttgtgaa tccagtgagg     1200
cagatccaaa atggcctgtc agcttttttg tttgaaccat acaaccttcg aatctgtcca     1260
gccagtctac ttaattctag tttactaagg aatcccagaa gctggagttg accatattct     1320
tcggaaagct gtaccttct gggcctccct catggcgagc aggaattcca ggcttagtgg      1380
atgttctacc ttctttgaca tgtagtgggt catactcaaa tcgatacata gtcttggtcc     1440
tgagtgtttg gcttccaaaa gtttgtcttt ggttagagct ctcaggaaac gtttgctgtg     1500
ctgggggcaa atgccgagca ccatgccgta ctgcctgtgg ccaggatctc tccctcctgg     1560
cactcgcctt ccgcatcgat ctgcagaagc tggaagcctt caggaagtcc atcttcacct     1620
gtctcctcta ggatgccttc ctcgtgccaa gcttagcgta atcagggttc at            1672
```

```
        <210> 140
        <211> 326
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(326)
        <223> similar to gi2981631 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters.



        <400> 140
caatccacac tatagaccaa atggatctaa tacacattta taggccattt catccaacag       60
ctgcagaata cacattcttt tcctcagcac atagaccatt cttaaggaca gaccatatgt      120
taggtcaata aacgagtctt aaaactttcc aaaaaactga aataatatga agcatcttct      180
ctgaccacaa aggaaaatta gaaatcaata acaagaggaa ttttagatac tatacaaata      240
tatggaaata aaaaaatatg ttcctgaatg gccaatgggc caatgaagac attaagaaag      300
acaactgaaa aatttcttga aacaaa                                           326



        <210> 141
        <211> 689
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (11)...(559)
```

74

<400> 141
ggcaacatac attgtggact ttggcttcag tacaacattc agagaggggc agatgctgac   60
agctttttgt ggcatgtacc cctacgtggc cccagaacgc tccctgggcc aggcatgcca   120
gtgacccgcc agggacatac aaagcctcag tgtcatactg tatttcagga atacagtagg   180
tagaagggcc aggactttgc ccttttactc agggaagcct ccaaacttca agaaaaaatt   240
ctcacaggaa gatatcatgc cccaccactt cttgcccttc aacttgactc attaaaaaat   300
tactaatgct gaacgccagg aagtgtcctt cactgtaact gatgaaaaat ccatgggtga   360
aaagtagcca gaagatgcca ctgataccat acgaagagcc actcctggac caccccaaac   420
aatccagctc atggtggcca tgggatttca ggccaagaac atctctgtgg caatcataga   480
aagaaaattc aactatccca tggccaccta cctcattta gagcacacaa aacaagagag   540
gaagtgctcc accatcagag aactgtccct tcctcccggg gttcccacct ctccttcccc   600
atccactgaa ctttccacct tccctctctc actgatgcgg gctcataggg agccagcttt   660
taacgttcag cctcccgaag aaagccagg   689

<210> 142
<211> 2368
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (524)...(2261)

<400> 142
cgagaaagag aaagttggaa ggaagggcaa gcatctgttg actgttgatc agaaacgtgg   60
agagcatgtt gtgtgtggca gcacacgtaa taatgagtca gagagcactt tggatttaga   120
aggcttccaa aatcccacag ctaaagagtg tgagggactt gccactttag ataacaaggc   180
tgatcttgat ggagaaagta cagaaggtac tgaggaacta gaagactctc taaaccactt   240
tacccactca gtacagggcc agacatcaga aatgattccc tctgatgaag aggaggagga   300
cgacgaagaa gaggaggagg aagaagaacc taggctcacc attaaccaaa gggaagatga   360
agatggcatg gctaatgaag atgagttaga caacacctac actgggtcag gggatgagga   420
cgccctatct gaagaggatg atgagttagg cgaagctgct aagtatgaag acgtgaaaga   480
atgtggaaaa catgtagaaa gagctctcct agtggaactt aataaaataa gtctcaagga   540
agaaaatgta tgtgaagaaa aaaattcacc tgtggatcag tctgattttt tttatgaatt   600
cagtaaactt atcttcacca aaggcaagtc tcctacggta gtgtgcagct tatgcaaacg   660
agagggtcat ctaaagaagg actgtcctga agacttcaaa agaatccagc tagaacctct   720
gccaccatta acacccaagt ttttaaatat cttagatcaa gtctgtatcc agtgttataa   780
ggattttct ccaacaatta tagaagatca ggctcgtgaa catattcggc aaaacctaga   840
aagtttcata agacaggact ttccaggaac taaattgagc ctgtttggct cctccaaaaa   900
tggatttggg ttcaaacaga gtgaccttga cgtctgtatg acaattaatg gacttgaaac   960
tgctgaggga ttggactgtg tcagaactat tgaagaatta gcaagagtcc tcagaaaaca   1020
ttcaggtctg agaaacatct tacctattac aacagcaaag gtgccaattg tgaagttctt   1080

```
ccatttgaga agtggtctgg aagtagatat cagtttgtat aacacattgg cccttcataa   1140
cacaaggctt ttatctgctt attccgccat tgatcccaca gtgaagtatt tgtgctatac   1200
catgaaagtg tttacaaaga tgtgtgatat tggggatgca tttagaggcg gcttatcatc   1260
gtatgcatat actcttatgg tgctatattt tctccagcag aggaatccac cagtcattcc   1320
tgtccttcaa gagatataca aaggtgaaaa gaaacctgaa atatttgttg atggctggaa   1380
tatttatttt tttgatcaaa tagatgaact gcctacctat tggtcagaat gtggaaaaaa   1440
tacagaatct gttgggcagt tatggttggg ccttcttcgt ttctacacag aggaatttga   1500
ttttaaagaa catgttatta gcatcaggag aaaaagtctg cttacaactt ttaagaaaca   1560
gtggacctca aaatacattg ttattgaagg ctggaatgca atggcgcaat cttggctcac   1620
tgcaacctcc acctcccggg ttcaagtgat tcttgtacct caccctcctg agtagctggg   1680
attacagatc cctttgattt gaatcataat cttggagctg gattatcaag gaaaatgaca   1740
aattttataa tgaaggcttt tatcaatggt agaagagtat ttggtattcc tgtcaaggga   1800
tttccaaagg actacccctc aaaaatggaa tacttttttg atccagatgt gttaactgaa   1860
ggagagctgg ccccaaatga tagatgttgt cgaatttgtg gaaaaatcgg cacttcatg    1920
aaggactgtc ctatgaggag aaaagtaaga cggcggcgag atcaggaaga tgccctgaac   1980
caaagatacc ctgagaacaa ggaaaaaaga agcaaagagg acaaagaaat tcacaacaag   2040
tacacagaaa gggaggtgtc aacaaaagaa gataagccca tacagtgcac acctcagaaa   2100
gccaagccaa tgcgggcagc tgctgacctg gggagggaga agatcctcag gccaccagta   2160
gaaaaatgga agagacagga tgacaaagac ttaagagaaa aacgttgttt tatttgtgga   2220
agagaagggc acattaaaaa ggaatgccca cagtttaaag gctcttcagg tagcctttcc   2280
agtaaatata tgactcaggg aaaagcctca gcgaagagga cccagcagga atcatgaggg   2340
aaggaaaatg cagcactcta aatggccc                                      2368
```

<210> 143
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(683)
<223> similar to gi3834293 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 143
```
cccacgcgtc cggatggacc ccaggaacca cccagacctt aggacagggg acagcatggg     60
acacagttgc ttccactcca ggaaccagcg agactacagc ttcagctgag ggaagacgaa    120
ccccaggagc aaccaggcca gcagctccag ggacaggcag ctgggcagag ggttctgtca    180
aagcacctgc tccgattcca gagagtccac cttcaaagag cagaagcatg tccaatacaa    240
cagaaggtgt ttgggagggc accagaagct cggtgacaaa cagggctaga gccagcaagg    300
acaggaggga gatgacaact accaaggctg ataggccaag ggaggacata gaggggggtca    360
ggatagctct tgatgcagcc aaaaaggtcc taggaaccat tgggccacca gctctggtct    420
cagaaacttt ggcctgggaa atcctcccac aagcaacgcc agtttctaag caacaatctc    480
agggttccat tggagaaaca actccagctg caggcatgtg gaccttggga actccagctg    540
cagatgtgtg gatcttggga actccagctg cagatgtgtg gaccagcatg gaggcagcat    600
ctggggaagg aagcgctgca ggggacctag atgctgccac tggagacaga ggtccccaag    660
caacactgag ccagaccccg gcagtatgac cctggggacc ccctggg                  707
```

76

<210> 144
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(475)
<223> similar to gi1408210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 144
tttgtggttt taatccttat gtctttttgg cagctaaggc ggaccagctc caggtaagca   60
atactcaatt gaccttaaat cttgctggtt atatcactgc attaatcata gcacattgca   120
aacatgtaat atctctactt tgatatctgg gtcacattcc tgggctatgg attctcatta   180
atctgtctga gccttgtgat gccacccctg tttggcactt tgtgaaactt cttctaacta   240
aacttactca tcatgcctgt agagcctcag gcatcataat ttttgctatt gtttctttgg   300
tcacactaat cacttctgct gtaatgtcct ctgtagcttt gcatagttct gttcaaatgg   360
gctcagtatg taggagggac tgggaggcat gcagccaact aaggcatggg ctactttcag   420
tgttaaaatt taacactgag gttacaaact gaagtngggt aatgtttaaa ntccc   475

<210> 145
<211> 2032
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1992)...(232)
<223> similar to gi19867 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 145
ttttttttttg ggtgatcaag tcttgattaa atcattcatt cattcaacat ttattgagcg   60
cctactgtgt gctaggcgac cgtgctaggc gcagaaatac agagatgcat aagatacagt   120
ccatgcccctt aaggattcac agtctagaag gggagacaaa catgtaaaca agtaaaatac   180
agtgtgataa gtgccacaag agaagcattg acaaagtgca gaggtagcct ggaggggagg   240
ggcacagggg ttgccttcct ggaggagggg gcctttgagg ggatcgtgag agatgaactt   300
gccaggcaga caaggcagga ggagcagggg aaggcattcc agtcggaaga aacagcatga   360
gcgaaggcac agaggcatga aactgcatgt cttgcttggt gagtggggaa ctctaactag   420

77

```
tctggtggta ttgctaaagt gtactagagg ctgtggctag agaaggggggc agaggccaga    480
tcatgagggg aaactgaggg caggggcatc ttggagggtc accagaggtg agcagagccc    540
gagggcaggc tttgacacag gaaaagaggg ctcctggctg actcaaggta cacctgcctg    600
aggaccacag ggttcctcgc tgtggctcca aaggatctc gacccaagag tagaggagca     660
gcagagctgg aggtgaagca gaggggtcgg gccaggtctg ggacccagag ctgccatgca    720
ctcccgcgct ctcacagact tctgatttcc aacctgcacg tcagagcccc ctcctgccag    780
ccggatgggg gcctggatcc agtgggaaat cacatgggaa tatggctggc aaactgcaaa    840
gggccagatg agtgtcaggt tacagaataa atctttacta actcaaagaa gaaaagggct     900
gcggataaaa caggaaaggt tagatggagg agggcgggca gacgggccta agaacaaggg    960
ccaaaatgag aatacagcat cggccaaaga ggaccgtggc tgtctctccc ctggcaagga   1020
ggggcccttt tggcccaggg cagaggcaga ggccagtggg tacaaccagg ccagatgtgc   1080
aaggagagca tgtgacctgc aagactgtgg ggctccacac tccagactcc agtgtctcct   1140
tagcccaatg aggagaggtt tccttggcaa tcaggaccct ccttcttcca ggctgtaggg   1200
aggccactga ggcagagagt ggccagccag cattccagcc cttcagtgtt cttaggaatg   1260
gctctgtctg aaaaatggct ttgcagggat gggtggggca gggaggctgt gggaagaggg   1320
cagagtctca ggacaccaga gtccagctgc ccatctgagt ggtgcttttg taaggcatca   1380
cacttgaggc cactgtgagg ggctgagctt cttttcccaac catggatggg ggaagggcaa   1440
gatggaccct gggttccagg gctacagtga gatgaggcct cctgacggag aagctaacag   1500
cagcccccat gtccttgctg ccgtcccagg agtagggaag gaggaggggga ccctcccagt   1560
tggtagggtc tggagatgtc ccgagacccc tcctttcctc ttgccgttga tgaggcagcc   1620
tcgcgctgcg gggttcccag cctccaacag gcccccttct tttggcctca cagtctcatc   1680
gcctgatccc tcccctcccc tgagcagtgt gggggggatga tgcccgcttg ggtgccgatg   1740
gagttggtgg tgttagcgat gagaaggatg atgaggtgtt ggtggtggcg gcctccccat   1800
gcggggagtg ggctgggctg ggggcgctgg gggcatcact tgctcttgtg catatccttc   1860
agccggcgga gctcttccag gagctgggcc cgggagtagt catcatcccc agtggggccc   1920
ggccccggcc ccagagcctc ctgtagcgcc aggcagtggg ttctcaggaa cgggttgtag   1980
gagcgctcct ctcccagggt agatgggcac gtgcccttgc gctccagccg ct           2032
```

<210> 146
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(520)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 146
```
acttcagcct gggcgacaga gcatgatcct gtcttaaaaa aataaaaaac ataaaaggtt    60
caatacagca agaaggttta acagttgtaa acatgtatgc tcctaatgac aaaccatcaa   120
catatatgaa acaaaaattg acgtaattga agggagaagt acaattctac attaatagtt   180
ggagacttta atatcccaat ctcagtagtg gatagaacca tcaaaatcta agcaaggaaa   240
tataggactt tcacaacaca ataaaccaac tagatctaac aaccatatac agaacactct   300
acccaacaat gaaatacaca ttcttctcaa gtatacatag gataaattcc aagataggtc   360
ataaattaag tctgaattga ttttaaaaga cagcaaaata tcttccctga ccacaatggg   420
atgaacttag aaatcaaaaa caaaaagaaa actggaaaat ttaaaaatca tagaaattaa   480
cacactctta accattagat caaaaaagaa accacccggc attggttgaa aatcaccccc   540
cggctttggc catggcagcg ggtgagattc ggcgcccaga gcctccaggg gcctcagctc   600
```

```
accgcacgct gacacatgtg cggcggtgaa acccagcccc aacaggcccc gcggcctctc      660
cctgggtgcg gccgc                                                       675




        <210> 147
        <211> 671
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (37)...(325)
        <223> similar to gi2197085 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 147
aaactatttt aaatgttttt attttatcga atagaaataa atctcacaaa atatgcttaa       60
gaactttaag cggaaaccat aaaatactat tgtgataagt taaagaagac ctaaataaat      120
ggagagatct gtcatgctca tggattggaa gattcaatac tgtaatgata tgaatagttc      180
ccaaattgtt ctatagattc aaaacattgc cagttaaaat ctcagtggac tttgtttttt      240
tgaaactgac aagctgattc tgccatttat aataatattc aaaggggcaa gaataaccaa      300
gacacatttg aagaagaaca aggaggaaga agaacgtatt tgaagaagaa taaggaactc      360
tattaagtgt atatctccta tatattgaga tacacatttg aaatacatct atcacctaga      420
tattgagata tattatacat ttaatatagt gtgttgctgg tatagggata gaaaaatgaa      480
cattggatca gaatagcact gaaacaagat ctacccctat atgggcatgt ccctattaac      540
aaaaaaatat tggtgattat ttccgcaaga tgatctgtaa aaaacaagtt aattgaacat      600
ccatatggga aaaaagtgaa tccttctgct acctcaaata tcaaccccag gtagattata      660
gatctaaaag g                                                           671




        <210> 148
        <211> 464
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (119)...(384)
        <223> similar to gi2981631 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 148
aattgagcgc tatcgatgag gctgtagtta ccggctcgac ccacgcgtcc gaaacaattc       60
atcaaagttg cagcatgcaa agtcaatatg gagaaatcag ttgctagtgt aaaaaataga      120
aaaggaaatt ttggaaacaa tccaatttaa cagcatcaaa agaataaact acttaggaat      180
```

79

```
cagcttaacc aagcaggtgg aagacttgta gagtgaaaac ttcaaacacc ctttaaagaa    240
attatagatg acataagtta ttagaaagac atcctgtgtt tatggattgg aagacttaat    300
attcttaaga tgtcactact acccaaagtg atgtacaggt ttgatataat ccctaccaac    360
attccaatta ctttgtataa atagaaaaat ccaccataaa tttcatatga aatttccaga    420
gatcccctaa ttataaaaat aaaaaggaag agccaagttg gagt                     464
```

<210> 149
<211> 2398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)...(2353)
<223> similar to gi3327162 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 149
cccacgcgtc cggtcagcct cagtcttcaa tgagggaccc cgtacagagt aacccaaacg     60
cttgttccta tttcaggatg tgaacactct gcaaggaggt gggcagcctg tggtgactcc    120
gtccgtccag ccctctcttc agccggccca tccagcgtta ccacagatga cctcacaggc    180
acctcagcca tctgttactg ggctccaggc accttctgct gccttaatgc aagtgtcatc    240
tctcgattcc cactcagctg tatctggaaa tgcccaatcc tttcagccct atgcaggtat    300
gcaagcctac gcttatcccc aggcatctgc cgtcacctcc cagctgcagc ccgttcggcc    360
tttgtaccca gcaccgctct ctcagcctcc ccatttccaa ggatcaggtg atatggcttc    420
atttctcatg actgaagccc ggcaacataa cactgaaatt cgaatggcag tcagcaaagt    480
ggctgataaa atggatcatc tcatgactaa ggttgaagag ttacagaaac atagtgctgg    540
caattccatg cttattccta gcatgtcagt tacaatggaa acaagcatga ttatgagcaa    600
catccagcga atcattcagg aaaatgaaag attgaagcaa gagatccttg aaaagagcaa    660
tcggatagaa gaacagaatg acaagattag tgaactaatt gaacgaaatc agaggtatgt    720
tgagcagagt aacctgatga tggagaagag gaacaactca cttcagacag ccacagaaaa    780
cacacaggca agagtattgc atgctgaaca agagaaggcc aaggtgacag aggagttagc    840
agcggccact gcacaggtct ctcatctgca gctgaaaatg actgctcacc aaaaaaagga    900
aacagagctg cagatgcagc tgacagaaag cctgaaggag acagatcttc tcagggccca    960
gctcaccaaa gtgcaggcaa agctctcaga gctccaagaa acctctgagc aagcacagtc   1020
caaattcaaa agtgaaaagc agaaccggaa acaactggaa ctcaaggtga catccctgga   1080
ggaggaactg actgaccttc gagttgagaa ggagtccttg gaaaagaacc tctcagaaag   1140
gaaaaagaag tcagctcaag agcgttctca ggccgaggag gagatagatg aaattcgcaa   1200
gtcataccag gaggaattgg acaaacttcg acagctcttg aaaaagactc gagtgtccac   1260
agaccaagca gctgcagagc agctgtcttt agtacaggct gagctacaga cccagtggga   1320
agcaaaatgt gaacatttgt tggcctccgc caaggatgag cacctgcagc agtaccagga   1380
ggtgtgcgca cagagagatg cctaccagca gaagctggta caacttcagg aaaagtctgt   1440
ttgttttgca gtgtttagcc ctccaggccc aaatcacagc tctcaccaag caaaatgaac   1500
agcacatcaa ggaactagag aagaacaagt cccagatgtc tggggttgaa gctgctgcat   1560
ctgacccctc agagaaggtc aagaagatca tgaaccaggt gttccagtcc ttacggagag   1620
agtttgagct ggaggaatct tacaatggca ggaccattct gggaaccatc atgaatacga   1680
tcaagatggt gactcttcag ctgttaaacc aacaggagca agagaaggaa gagagcagca   1740
gtgaagaaga agaagaaaaa gcagaagagc ggccacgaag accttcccag gagcagtcag   1800
cctcagccag ttctgggcag cctcaagcac ccctgaatag ggagaggcca gagtccccca   1860
tggtgccctc agagcaggtg gtcgaggaag ctgtcccgtt gcctcctcag gccctcacca   1920
```

```
cttcccagga tggacacaga aggaaagggg actcagaagc tgaggcactc tcagagataa    1980
aagatggttc ccttccaccc gaactgtctt gcatcccatc ccacagagtt ctagggcccc    2040
cgacttcaat tccacctgag cccctaggcc ctgtatccat ggactctgag tgtgaggagt    2100
cacttgctgc cagcccaatg gcagctaaag cccgacaacc catcagggaa aggtctgtgt    2160
tcaggggaag taggcaccag atgggcccac ttacaaggaa aggttccaca agattgttcc    2220
ctggatttca ggaccccgag ggaggggggac ccactggcct tagggcttga aaagcccagg    2280
gagagcctca gcctccacag cttcaaggaa aggttgatgt tcactaggtt ccaccggttc    2340
cccacaaggg agcttttcaa gaacaggagg gcaggtttcc acagttttgc agggagca      2398
```

<210> 150
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (33)...(31)
<223> similar to gi2230873 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 150
```
gcgttctttt ataagagttt tggtagtgta gggaggaaga tgatgacctg gaagaaagtg     60
aagacagtaa acaatgtaaa gaaagcttga aaagagtgac cttcactttg ctggatgatg    120
aggcaactga agatgcaggt gttttaaatg taaagaaaaa ttctgatgaa gttaaatcct    180
cttgaaaaaa dacaggaaaa ggagtcagct taagtagagc tccgcgtgtt ggttgcagaa    240
gtcgcctgtc ttccccgcag gaggctgttt gctcgctttg acactgaatg ctcccccaac    300
aaacacgttt agcttgcttg cccttctcac cgactgcgga gaggagtctc agtgcacagt    360
cgcagagaag gcgtgcgggg gcgtgcaggg gcgcacaggc gcctgcctct gcgggtggga    420
aaggaaggag gtgcccgggt ttccgctccc agggctcagc ctgccttggg cacctacggt    480
atgggagcct ttaacgtgga aaggaaagga gatcgatcac tcgagcctcc acttgccaag    540
cctgtggaag cgagacgcgg ggatcggctg ggaatgcctg gaagcaccgg cgcgcggagc    600
caggaagaag aaattgtgag acgaaacgga atcgtcgncg gggaattcga g             651
```

<210> 151
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(552)
```

<400> 151

```
ggtctaaata aatgcaaaga catcctgtgc taatagatta gaagacttaa tactggtaag     60
ataacaatat cacccaaggc aatatacaga ttcagtccca ttcctatcaa aagtacaatg    120
gaatttttta gaaatataga taaatgcaac ctaaaattca caggaaatat caaaagccaa    180
aacaatcttg aaaaagaaca gaaatcagac ttctcaattc tgaaacttat tataaagtta    240
cagtaatgac agagttacat ggcataaggc cagacataca gacaaattaa ataggattga    300
gagcccagaa gtaagccctt gcatatatgg tcagttgatt tttgacaagg gtgccaaaac    360
caatctctgg ggaaagaaca gtctcttcaa aaatggtact ggaaaaactg gatattcaca    420
aacaaaagaa tgaatctgaa tgtttacctt ataccacatg caacaattaa tttacaatgg    480
atcaaagatc ttaactaaag agctaaaaac tataagtcat ggaagaaaat gcagtaaaat    540
tttctttttt tt                                                        552
```

<210> 152
<211> 1179
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (140)...(1170)

<400> 152

```
cccatcctta cccagccaga gaggctggag acggtatcgc gtggccaggg atgtgatgga     60
ggaatcccca gtgccctact ctgtcaaggg aggctcctac taataggaat cagagcccta    120
taaataatgt acctggtggc aggtaaacat caccctcctg gacatcaacg acaaccaccc    180
cacgtggaag gacgcaccct actacatcaa cctggtggag atgacccctc cagactctga    240
cgtgaccacg gtggtggctg ttgacccaga cctgggggag aatggcaccc tggtgtacag    300
catccagcca cccaacaagt tctacagcct caacagcacc acgggcaaga tccgcaccac    360
ccacgccatg ctggaccggg agaaccccga cccccatgag gccgagctga tgcgcaaaat    420
cgtcgtctct gttactgact gtggcaggcc ccctctgaaa gccaccagca gtgccacagt    480
gtttgtgaac ctcttggatc tcaatgacaa tgaccccacc tttcagaacc tgccttttgt    540
ggccgaggtg cttgaaggca tcccggcggg ggtctccatc taccaagtgg tggccatcga    600
cctcgatgag ggcctgaacg gcctggtgtc ctaccgcatg ccggtgggca tgccccgcat    660
ggacttcctc atcaacagca gcagcggcgt ggtggtcacc accaccgagc tggaccgcga    720
gcgcatcgcg gagtaccagc tgcgggtggt ggccagtgat gcaggcacgc ccaccaagag    780
ctccaccagc acgctcacca tccatgtgct ggatgtgaac gacgagacgc ccaccttctt    840
cccggccgtg tacaatgtgt ctgtgtccga ggacgtgcca cgcgagttcc gggtggtctg    900
gctgagctgc acggaacaac gacgtgggcc tcaatgcaga gctcagctac ttcatcacag    960
gtggcaacgt ggatgggaag ttcagcgtgg gttaccgcga tgccgttgtg agaaccgtgg   1020
tgggcctgga ccgggagacc acagccgcct acatgctcat cctggaggcc atcgacaacg   1080
gccctgtagg gaagcgacac acgggcacag ccaccgtgtt cgtcactgtc ctggatgtga   1140
atgacaaacg gcccataatt ctgcagagca gctatgtat                         1179
```

<210> 153
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (553)...(6)
<223> similar to gi6680 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 153
```
gccggccccg ggccacccccc ggagccaccg cctccttccc agcggggttc ggccccgcaa      60
tctggagcca agccgtctcc gcagcctgcg acctgggtgg agggcgcctc aagtccccgg     120
cctccttcta gcggtgctgg gccggggtcc cgtcggaagc ccgccagccc tgggaggacc     180
ctgcgcaacg ggcgaggcgg tgaggccgaa cccctggacc tgtccttgcg ggcagggccg     240
ggaggcgagg ccgggcctgg gggtgccctc caccgctgcc tcttctgccc gttcgccact     300
ggagccccag agctcatggc cttgcacctt caagtgcacc acagccgccg ggctaggggc     360
cgccggccac cccaggctga cgcgtccccg ccctatgccc gagtaccatc aggagagacc     420
cctcccagtc cttcgcagga aggggaggag ggctccgggc tgtccagacc cggagaggca     480
gggctggggg ggcaagaacg gtagtgggcc ctcaggggcg attagcttag tgagcttacc     540
ccgccggagc ggggggagcgc tagaggtagt tgggtagaga agccagcagg gggcagcgtg     600
ggacccatat cccagcccca ggcggaccag aggtggaagg cgcggcgggc gtangagggt     660
gggctgncgg ttcccaccca tcccaaggga ggtccagtgc cttagaagtg cg             712
```


<210> 154
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(357)
<223> similar to gi854159 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 154

```
agaccggccc ccgctccctc agctgcgccg gaggaggcgc ccagtcctcg gggtgaaggg          60
tcgggggatg gcgaagcgaa gagtgcccgc tccggtgtgg gggggagcag gaggagggac         120
gaagtccgcc cgccgcgccg ccgccgcgcc tgacaccgag cggagcgagg aaggaggacg         180
agcggtgaag gaagcctacc cttccagccg tcagccgccg ccgccgtcgc cgtgacccct         240
gcgttgcgcc cggcgctgcc acccgaactt agccccctcg atgccaattt caaatagggg         300
aggaaaaggg aaaagaaggg aagagaaaat ccggccgctg agtcccgcgt ccactcacac         360
ctccgctcgt gcc                                                           373
```

```
<210> 155
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(412)
<223> similar to gi3043632 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 155
ggaccggaag gaggagcggc tgaggagccc aaggagcggg gcggcggcca ctaggagctc          60
aggaggcaag ggcgtggccg agtgggaccc acttccctgc ctggacccag aactctggga         120
tcagtttgac aacttagaaa atcgatagtc ttgagaaatt catcatatct gccaaggaaa         180
ggactgagat tgaactcagc tatacaaaac aactcaggaa tcttttaaag acatgccaac         240
ctaaaaggaa ctggaaggag aaagaataca ttacgtaaaa ctctccttcc ctccctgtga         300
acaaaatgag tgatcacgct aggcagcatt aagttatctt ctttgaggtc ttgaactttc         360
agatcaccgt ggagttacaa gggcatgttc aaaaccaaaa gcaggagag                    409
```

```
<210> 156
<211> 915
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (287)...(917)
<223> similar to gi55471 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 156
cctataaaca gactggcaga tgatatagtg cttaatgtct tgcctcagtt tgtcattgtg          60
tcagaacatc cgaaaaaaga taggagaaaa gttggagttt agggcataat tttcctgtaa         120
taatttggag ctcaaaaata ttacaatgag aaaataaaaa gctattaatt agcaggagac         180
```

```
ttaatcacat gaagaatttc aattagatat ttcttctacg tagtatagtt ataactttgc      240
attccattgt tttccttctc tatagtccat tgtatttctg tggggttttt tttttttcagg     300
ttttgagttc aagaacgaga ttaaaaaaga aaatctaaaa tgggatgatt cagaggaagt      360
agaattaaac aaggctttac agagaaagtc cagaggagtt tattggcact ctgagctaca      420
aaaaggcttg gagagtgagc caacatcaag aaggcaatgt agaaattctc caggggagag      480
tgaggagaaa accccatccc aggagaagat gagtcaccag agttttgtg  ccagggacaa      540
agcctgtaca catatcctct gtgggaaaaa ctgctctcag agtgtgcact ctccccacaa      600
gccagcgctc aaactggaaa aagtatctca atgtcctgaa tgtgggaaaa cctttagccg      660
aagttcttat cttgttcggc atcaaagaat ccacacaggc gagaagcctc acaagtgcag      720
tgagtgcggg aagggcttta gtgagcgctc caacctcact gcccacctac gaactcacac      780
aggggagagg ccctatcagt gtgggcaatg tgggaaaagc ttcaaccaga gttccagcct      840
cattgtccac cagaggaccc ataccgggga aaagccttac cagtgcattg tctgtggaaa      900
gagattcaac aacag                                                       915
```

```
        <210> 157
        <211> 590
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (555)...(15)
        <223> similar to gi187185 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 157
gagggatact ctagagcggc cgccgccagc tgcgccccca ccaggctgcc cggcttggtg       60
gggtcaagtg ccacgccgtg tggcaggaac tggggcgggt agccggcgta ggccccggcc      120
aggctgcctg ggtaggtcat acccgcggga ggcagaggga acactgtctg gcccggcttg      180
tagggtgaca cgggagccac cagcccagag cccaacactg aggaggaggt gggcgcgctg      240
gggccggagc cggagctgga gcccgatgaa ccgccgcagt ccgagcccag agccttgcct      300
cccgggcccc catccggatg ctggttcaca tccacattaa tcccgccgcc gcagctaatc      360
cggccgtgtg ccagccccgt gggtccccct tcggccgagg cgccccggt  gcccttgcca      420
ccgccgccca cgtcggtgtc tttcttgtcg tccttgccct ccggggcacc cccggccgag      480
gacagcatac ctcccggcga gcaggccgag gcgctggagc tcgggctgcc tgtcctgggc      540
gtgaatggct ggcaggtggc gctcggtacc cggaatcccg acttctccga                 590
```

```
        <210> 158
        <211> 326
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(327)
        <223> n = a,t,c or g
```

<220>
<221> misc_feature
<222> (23)...(326)
<223> similar to gi406058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 158
cccacgcgtc cggngacagg cctggccggc ctctgcagag acgtccaacc tcgtgcgcat   60
gcgcagccag gccctgggcc agtcggcgcc ctcgctcacc gccagcctga aggagctgag   120
tctccccaga agaggaagtt tccctgtgtg tccaaatgct gggagaacat cacccccttgg   180
atgaattgcc accacattaa ataaaatata tccaaagctc nnnnnnnnnn nnnngggggg   240
gccgttttaa aggacccttg gggggccaa ggtttacgcg ggctggcaag gtaatagttt   300
tttccttata gggagccgaa ttaaaa   326

<210> 159
<211> 963
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)...(915)
<223> similar to gi2224629 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 159
ctcctagtcc cctccctagc ctgtcccttc ctcctcccgt tgctcctggt ggccaggaga   60
gcccttcacc ccacacagct gaggtggaga gtgaggcctc accacctcct gctcggcccc   120
tcccagggga agccaggctg gcgcccatct ctgaagaggg aaagccgcag cttgttgggc   180
gtttcccaag tgacttcatc caaggaaccg gctgagcctc ttcccttgca gccaacatcc   240
cccactctct ctggttctcc aaaaccttca acccctcagc tcacttcaga gagctcagat   300
acagaggaca gtgctggagg cgggccagag accaggaag ctctggctga gagcgaccgt   360
gcagctgagg gtctggggc tggagttgag gaggaaggag atgatgggaa ggaaccccaa   420
gttggggggca gcccccaacc cctgagccat cccagcccag tgtggatgaa ctactcctac   480
agcagcctgt gtttgagcag cgaggagtca gaaagcagtg gggaagatga ggagttctgg   540
gctgagctgc agagtcttcg gcagaagcac ttgtcagagg tggaaacact acagacacta   600
cagaaaaaag aaattgaaga tttgtacagc cggctgggga agcagcccccc accgggtatt   660
gtggccccag ctgctatgct gtccagccgc cagcgccgcc tctccaaggg cagcttcccc   720
acctcccgcc gcaacagcct acagcgctct gagcccccag gccctggtga gactgcagtc   780
acccagcttc catcttttcc ctgagacccc tttctgtcga ctgtttttct ccaggccctg   840
ggggtctgcc ccggggggaat agacccccctc tccccacctc ccctttcctc acttagtgct   900
ctccttcccc catcctggct ccaggcatca tgcgaaggaa ctctctgagt ggcagcagca   960
ccg   963

86

<210> 160
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(319)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 160
cgcaacatat aaaaaggatt atacgctatg attgaaaata aattgatttt caacaccatg   60
attaagtgga atttgttcca ggaacgcaag gttgattaaa cacgcaaaaa cctatcagtg   120
tgatacacca tactaataaa atagaggcca aaacccacat gatcatctca ataaacacag   180
aaaatgcatt tgataaaatc taacatcttt tcataataaa aacacatgtt gaagggtata   240
tagaaagccc acagctaaca ttatactaaa tggtgtatat tcagtcttta ctgaaagttt   300
ttcccctaag atcaggaat   319

<210> 161
<211> 968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(969)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (42)...(968)
<223> similar to gi2105420 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 161
gcaagggca gttggtgaac ttgctgcctc cagagaattt tccctggtgt ggaggcagcc   60
agggacccag gatgctccgg acctgttacg tgctctgttc ccaagctggt ccccgctcca   120
ggggctggca gtccctgagc tttgatggcg gggccttcca ccttaagggc acaggagagc   180
tgacacgggc cttgctggtt ctccggctgt gtgcctggcc cccactcgtc actcacgggc   240
tgttgctcca ggcctggtct cggcgactcc tgggctcccg gctctcaggc gcatttctcc   300
gagcatccgt ctatgggcag tttgtggctg gtgagacagc agaggaggtg aagggctgcg   360
tgcagcagct gcggaccctc agcctccgac cactgctggc agtgcccact gaggaggagc   420
cggactctgc tgccaagagt ggtgaggcgt ggtatgaggg gaacctcggt gctatgctgc   480
ggtgtgtgga cctgtcacgg ggcctcctgg agccccccag cctggctgag gccagcctca   540

```
tgcagctgaa ggtgacggcg ctgaccagta ctcggctctg taaggagcta gcctcgtggg     600
tcagaaggcc aggagcctcc ttggagctga gccccgagag gctggctgaa gctatggact     660
ctgggcagaa cctccaggtc tcctgcctca atgctgagca gaaccagcac ctccgggcct     720
ccctcagccg cctgcatcgg gtggcacagt atgcccgggc ccagcacgtg cggctcctgg     780
tggatgcgga gtacacctca ctgaaccctg cgctctcgct gctggtggct gccctggctg     840
tgcgctggaa cagcccgggt gaaggcgggc cctgggtgtg gaacacctac caggcctgtc     900
taaaggacac attctagcgg ctggggaggg atgcanaggc tgcgcacagg gccggcctgg     960
ccttcggg                                                              968
```


```
<210> 162
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(400)
<223> similar to gi1335205 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```


```
<400> 162
ctttaaattg atgctgagaa aactgataaa attcaacatc ctctcatgat aaaaaccctc      60
acaaatctgg gcatagaaaa aacatacatc aacataataa aagtcatacc caacagaccc     120
atggcctgta tcataataaa tggaacaaaa gtgaaagcct ttcctgtaag atctgaaaga     180
caaagatgtt cccccttcacc attgctattc aacataggac tgaaagtccc agctagagca     240
attgaaaaag agaaagaaat gaagggtata tgaattggaa agaaagaaat caaattatgc     300
ttatctggaa atgataatga ccttatattt gaaacaacct aaaaactccc ccaaaactat     360
tagaactgat acattcagta aagttgcagg atacaaaaat a                        401
```


```
<210> 163
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```


```
<400> 163
ctggaccaaa tggacctaac agatatttac agaacattcc atccaacagt tgcagaatac      60
acattttct caacagcaca tggaatattc tccaggattg atcatacatt aggtcacaaa     120
```

```
acaagtttta acaaattttt aaaattgaaa ttatatttat cttgtcacag tggaataaaa      180
ctagaaatct ataatcagag gaacattgga aacagtacaa attaatggaa attaaacaac      240
aaatggacca atgaagaaat tttaaagtaa attttaaaat ttcttgagac aaatgaaaat      300
ggaaacaaaa taccaaaacc tatgggatac agcaaaagcg gttctaagag ggaagtgtat      360
agcaataaac gtctatatca aaaaagtaaa aagacttcaa ataacctaac gaaacg         416
```


        <210> 164
        <211> 1518
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (111)...(1498)
        <223> similar to gi4519617 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

        <400> 164
```
gttgaaccca gacccctggc tcccagctgc ttggctccag ccacaacact gctgaccctt       60
ggcagcccca gagctgccag taggccccat tatgaagtcc ataggcagag ggcacacgtg      120
gcttccatac ccaaactgca attcctggtc ctcttgctgg agaccctaga ggtaggtggc      180
tatagatgga gccagtgagg cctagaaatg gggagcatgt ttcctgttcc caaccagcga      240
ggtgtcagta aatcaccagg agcgcggagc agccctgcc cgggaccata gctggtgatc      300
ccccatagtg ggcaaccacg cccagcctgc ttccttgatt ggccaagttt ggggtgaggg      360
ggtggttgta gggtttttcct tagggatggc agccctattg gggtctgtgg gtgctcaggg      420
ctgcgggccg catgcctgct caccaggccc tgcccaccta tgctcgctcc tttctctctg      480
tcagcgttgg ggccttcgtg aagacctggc tgcccttcat ccttctcctg ggcatcatcc      540
tcaccgtcag cctggtcttt aacctccggt gatggctgct cggtggcccc acacccacca      600
ggggtcccga ggaaacagcc gccatccctt ttggttccag attttttct cctcacccca      660
aaaggcaggg ttgggcctgc tgttgtggac cggggggtcgg ggctggcagg atggaaggac      720
tgaggaccag catgaagtgg gggtttgttg tctccctgcc tctcagaagc accctgtccc      780
ctcctcccca ggcctgtgac tccggccctg gaagcccctt tgttcttctg ttgaaaggct      840
ttggcttccc tctgtagagc tgctcccgcc accacctgct ggggtcctgc ctcagcccag      900
tgcccagtat ggggagagga ggacatttgg gctcacctgt caaggtggcc ctgggaccag      960
agctggtccc agcatggggt gcaccgggta cacttaacgt gtctctataa gccaagttgc     1020
ttcaggacct tcaccactgg cctctagaat ggtccagagg ggctggctgg gtccctttgt     1080
cagactcctg ccggcagctg ccctggggga catgtgtgcc catctggcat cctccagccc     1140
gtgcagtccg ctcttcactg ttccacggcc tcccagtgcc tcccagcatt ggacccatct     1200
cccccctgcag tttgaggcca gagaggtgag tggacctgac aagtgccaga gtaaccgtgt     1260
agacagagca gtgtagacag cactcagccc cagccccagg tgtggacctc atgctggtga     1320
tggctcccct gggtggcctg ccagcacagc cagtgccatc agggagctga aggggctgtc     1380
ccccacctaa ctccagctcc cccttcacgt tgtcaccaag gccctgtgcc gcccgcctcg     1440
ccccctgct ctgtggattc ctttgggaag ggctccctgg gcaggacaat aaagagtttt     1500
gactccaaaa aaaaaaaa                                                   1518
```


        <210> 165
```

<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(352)
<223> similar to gi804788 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 165
attcaatcag taatgagaac ttcccaacaa aggaaagcca aggaccagaa actttcactg   60
gtgaattcta ccagacattt aaagattaac accaatcctt ctcaaactct tccaaataac   120
tgaagaagca ggaacacttc ccagctcatt ctatgagatc agcattacca taataccaaa   180
gccagaaaaa aaatcacaag aaaattacag tgcaatgtat cttatgaata tagacacaaa   240
aatctttcag taaaatacta gcaacccaaa tctaaccata tattaacgtc attatacact   300
atgaccaggt gggatttatc ccaggaatgc aaagttcatt taacgtaata aatcg   355

<210> 166
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(266)
<223> similar to gi296617 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 166
ttttattttt taagagaaat ttctcgccac gagggggaagg ggggggggttt tcccccccctt   60
cccccctaaaa aattttttttt tcccccaagg gcgtaaattt ttggggggggg gggggggccca   120
aatggccccc ccccaaaaaa agggttttttt ccaaaaattc cccgggggggt tttaaaaacc   180
ccccccaaaa aaaaaaaaaa ttttttttttc cccccccggt aaaattgggc ccccccaagg   240
gtttttttaa aagggcccccc cctttttttttt tttttttttt tttttttttt tttttttttt   300
tttaggggggt taaaaacttt tttttaaaaa aaaaa   335

<210> 167
<211> 982
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (17)...(903)
<223> similar to gi5832876 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 167
atccacgacg agctgagccg cgccgcccgc gcctccggac gggccccgcc acgccgccgg   60
cgccgccaac gcgggacccg cagccggccc gcgtcgtcct gtcaacctcg actcagcgct   120
ggccgcgctg cgcaaggaga tggtgggct gcggcagttg gacatgtcct tgttgtgcca   180
gctgtggggc ctgtacgagt caatccagga ctacaaacac ctgtgccaag acctgagctt   240
ctgccaggac ctgtcatcct ccctccattc ggacagctcc tacccaccgg atgcgggcct   300
gtctgacgac gaggagcctc ccgatgccag cctgcctcct gacccgccac cccttactgt   360
gccccagacg cacaatgccc gtgaccagtg gctgcaggat gccttccaca tcagcctctg   420
aagggctggg gggcaggggg catgcaccca tgcaaaaggc tcagaaactc ccccctccggc   480
aagccctcag acttcggagc ctgcgccttc cccctaccg cctcacctca caggagggcc   540
aggcatgtat tcctcagagg cgaaactgcc aaactctttc tcctgtcttg ggttggctgg   600
cactggggcg ggcatctagg gtacagcctc tgctcatggc actgggcctc cagttcttcc   660
acatgtgtgc accccagct tggccaaccc tcagccttgc ggtgggcccc gaagcatctt   720
cccttccgct tggcgtctct gggattggga tgagtgcctg gctcccatct cctcctcacc   780
ttttgttgct atcggcagct gctggctcag gggcatccca cctccgggct ctgggttcct   840
ctgccctgga agggctccag gacccgtccc aataaccacc cacggccagg agggccaagg   900
ccccgtgctg gatatttaaa tttaggggcc ggtctccagg gcgcgtagat aaataaatac   960
actcagcgtc aaaaaaaaaa aa   982

<210> 168
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(378)
<223> similar to gi1335205 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 168
atataggggga gggggataat ccctttcctt aaactgtaca caaaagtgaa ctccaaatgg   60
atgaaagacc tacatatgaa gggtaaaatg gaaagacttc tagaagaaaa cataggagca   120
aatcatcttg accttggagt aggcaaaggt cttttaggac acaaaaagca tgaactatta   180
acagaagtag tcgataaatt gtagtctatt aaaattaaaa aatgctattc gaaaggcacc   240
attaaaaatt gagaagacaa gccaaaaaga agacaaggca aaactgttcg tatgcatata   300
tttgacagag aacttgcatc cagaatacat aaatccaatt caataagaag acaaacctat   360
cagttaaaaa atggacaa   378

<210> 169
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(557)
<223> similar to gi172270 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 169
```
cacgatgtca taaggtttcc ctatttggat ccacctaatg agagacttat tttagaagct     60
cttaaacaac tttaccagtg tgatgctatt gacaggagtg gccatgtcac cagattgggt    120
ttgtctatgg tggagtttcc tttgcctcca catctgacat gtgcagtaat aaaagctgct    180
tccctggatt gtgaagatct actacttcca atagcagcaa tgttgtctgt ggaaaacgtc    240
ttcattagac ctgttgatcc agagtaccag aaggaagcag aacagagaca tcgagaattg    300
gcagctaaag ctggaggatt taatgacttt gcaactttag ctgtcatctt tgaacaatgc    360
aaatcaagtg gagctccagc ttcatggtgc caaaaacact ggattcattg gaggtgctta    420
ttttctgcat ttcgtgtgga agctcaactt cgagaactaa tcaggaagct taaacagcaa    480
aagtgatttc ccaaaagaga cctttgaagg ccctaaacat gaagtactac gaagatgtct    540
ttgtgcgggc tatttcaaaa atgtagc                                        567
```


<210> 170
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(533)
<223> similar to gi2981631 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 170
```
cccacgcgtc cgacaggcat gagccaccat gcccagccat gaattttttt ttaagaccca     60
acagtatgct gcctacaaga gtcacctcac ttttaaggac acccatagac tgaaagtgaa    120
aagttggaaa aagatactcc atgcaaatag aaaccaaaag aaagcaggga tagctaaact    180
tatatcagac aaaatagact ttaagtcaaa aactgtaaaa agagacatta tataatgata    240
agagcatcaa ttcatcaaga ggatataaca gttatatatg cacccaacat tgaaacacct    300
aaatacataa aatattgaag gatctgaagg gagggataaa ttgcaataca ataatagtag    360
gagactttaa tactctacag ataatccaga cagaaaatta ataaacattg ggcttgaaca    420
atactgtaga ccaaatggac ctaactgacg tttcatccaa cagcaactgt atacacatcc    480
ttctcaagca tacatggaac attctccagg atagatcaaa tgttaaggca caaca         535
```

```
<210> 171
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(1034)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 171
atcgcactcc agcctgggca acagagcgag actccgtctc aaaaaacaac aacaacaaaa      60
tatgtgatgc gaaaactgat agaactacaa ggggaaatag atgaattcac tgtctgcagt     120
tggagatcca gcaccctcta tcgtaaatgg acagatccag caggatgcag ttgagtttaa     180
cagcaccatc acatcagtca gctgggaata atttacatct gtagactgct tcatccaacg     240
atagcagaat gcacattcct gccaagctca tgtggaacat tcactaagat agaccacatt     300
ctgggccaca aaacacttta acatacttga agaatagaaa acatagaatg tctattctca     360
gaccacaatg acatgaaact agaaatgaaa ccagaaagat agctagaaaa tcctaaagta     420
cttggcaaat aacacacttc caaataacac gagtcaaaga agatatctca agataaattt     480
tagaatattt tgaattaagt gaaaatgaaa ataaaactta ccaaaatttg tggaatgctg     540
tgaatgcagt gcttagaggg aaatttatag cattgactgc atgtattaga aaatgggaaa     600
gatctaaaat cataatgtaa gctttcactc taggaaacta gaaaagaag agcaaattaa     660
atacaaagta agcagaagaa aagaaataaa aattcaagca gaaatcaatg aaatggaaaa     720
caggaaatca atagagaaaa tcaacgaaac cagaagatgg tttgaaaaaa caataaaatc     780
agtaaacctt tagccagact aagacaaaga agagagagga cacaaaatac taatatcaaa     840
tgaaagaggg aacatcacta cagagatgtc ccacagactt ttaaagggta ataaaaaaaa     900
aaggatgaac aactttgggc ccaaatttga taaatgaacc aattctttga ggtacacaat     960
ttcccaaaca cgggaagaaa tagacaattt gaatagggtt atgtttgtta aataagtcaa    1020
atcaacaatt accttccaaa a                                              1041




<210> 172
<211> 1991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (554)...(1927)
<223> similar to gi161436 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 172
tttttttttt gtagaaatgg gatctcacta tgttgccagg gcttgtctca aactcctggg      60
```

```
ctcaagcgat ctacctgcct tggcctccca aagcattggg caggcccatt acgccatgag    120
ccaccacacc tgctggtttt tgtttttaa atggaattga aaggaactag ccttggctag    180
ttgcagaatt cacacatatg gggctatggc aacagcagat tctggagtct cagggtcttt    240
tctttctaga taagttacag ggcaattgct tttcagagta cttttacatt tctattccat    300
tcttgtcagt aaagacaagg atcccataag ctgatggaga aactgaggcc tctagaaaaa    360
aacgctggga atggcaccca gggtgctgaa ttccagggtc tcctctttc tgccacaggc    420
acacatgccc cagcagcccc tttggagagc cccctctcta tagggtacta gccgggggct    480
cagactctgg agtcagacgg cttccgaggg atgaggcctc agacaagtaa ctcagctttg    540
aaatgttttc agtgggggaga gaaatagccc cctcccaggg ctgtgctccg ggaactgact    600
gagggctaac tattatgggc ccaccccatt gttggaatgt cttcagccac atgggggaat    660
gggtggaaga agaggccggg atgtgtcctg ccagctagag cagcgaagaa atcccagcgg    720
ggccccagga agtccaagcc catggggttc aggtgctcct ctctggctat tccttcagac    780
ccgcagctgc tggacacagg ccacagagct ggtgcctccc gcgccatcac tgcagtgcag    840
cctgggtgga tggaggaagc caaggggaac ggcctgggct cagagtaagg agaccttgcc    900
ccggggggaca aacggtgtct gaagtgcagg ggtgaagcgg tctccagtcc tcaggggcct    960
ggaaatcagc tccttgggac acggtcttat gtgtattgac cattctcccc atccattccc   1020
tcttcggaat gtttcagctg ttctgagaaa acactttgca ttcctgcccc gcccctgtga   1080
tttctctttg ggtggcaggc agccgggaga ggctggaggc ctggggagat gggggcaggg   1140
cacaaggcta agctcagcac cttcctccac cctcctcact gtactcaact cctaggcggg   1200
cactaagagc agctgccttc ctggacccac cttaacctct tgtgactcaa ctcccctttc   1260
cagggtgcag ggaacattcc ctctgccctg ccttccagct ctggccacag tggcctggac   1320
agagtagctg ggtcccaggc ctgcccctgt ggacgaggga ccagggacca agagcgcact   1380
ccagccctga gcccagagcc tgcaaagccc aaagcaaggc ccataaacgg aggctacgtg   1440
ctcgttcctg caggatcctg gaaaagcagg cccaggccca tggctctgcc ctccttctgg   1500
ccctgaaggg tcacgatgct cttggccatc aggaggaagt acctgcagcg ccggtgcctc   1560
gaggcactgc ttcacgggct gcggggttcc cagcaggcca ggtgcctggc agtggcatgg   1620
cagcactggg tggatgccca aggggcagag cagctggggc ggaccctggc cttttaagaag   1680
tggcaccaac gcctggcagc caggagccca aggagaggag ctgccagtag cccaagaccc   1740
tggagcaagc caggccccaa gggccccgag agtggacagg aagccgccgg agcaccgcgg   1800
ggttggggggc ttggggcaga gcatggggcc cagctgcagc tgtgacttgt tctcatagaa   1860
taaaaaacag aactgaactt agccttccca gggaaggaac catgccccac acatccaggg   1920
agtgatgaca gaggggacag ctataaagag ctctgaagga caataaaacc cactcctcag   1980
tcctaaaaaa a                                                       1991
```


    <210> 173
    <211> 868
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (196)...(678)
    <223> similar to gi3452473 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

    <400> 173
```
cccacgcgtc cggaataaag agagaactct gttactattg tttttacatc accaaataat     60
tatttaatat cgttagctaa gagaagaatt ggctatgaac tgtactttaa caactgacac    120
aactgcatac aagttataaa gtttaataat ctttatcatc ttggaaaata aatctcttct    180
tgctaagtat cagttttttaa aaattgcccc atgtattaga tatgtatttt tttaacaaaa    240
```


94

```
atgttctgtg tattaattat tttgaaataa attttaagtt cacaaaaagc cattacaaga      300
agtggaaata gcagcaatta cacatggtgc tcttcaggga ttagcctact tacattctca      360
tactatgatt catagagata tcaaagcagg aaatatcctt ctgacagaac caggccaggt      420
gaaacttgct gactttggct ctgcttccat ggcatcacct gccaattcct ttgtgggaac      480
gccgtattgg atggccccag aagtaatttt agccatggat gaaggacaat atgatggcaa      540
agtagatgtg tggtctcttg gaataacatg tattgaacta gcggaaagga agcctccttt      600
atttaatatg aatgcaatga gtgccttata tcacatagcc caaaatgaat cccctacact      660
acagtctaat gaatggtgag tattgttaat atatatattg ctcagtgttg aataaatgaa      720
atgctttttc ataatctgtt atcaaagtga tttaatttca gttaggtaaa atgtatcacc      780
ttataagata ttaaaataga tgtattttac cctttttaaat atatttattc tttatcatgt      840
ttccatttca tggcatacgt ataactgg                                         868
```

```
        <400> 174
gccttgcttg gaggcaaagc gtcctccact ctgtcctcag gactcagctg tgtggccttg       60
gatttctttt tgcgggactt gcgcccttg ggtgccaacg gtccaggatc cccctggaac      120
cagatggtac ggccatgccg gtcctgcagg gagctcatgc ctggcatgcc atagcagcgc      180
agccaggctc gaaaggcagc aaagtcctcc tccccgctct ctgacccgta gccctgccc      240
cccaactgga ccacttcctt gggcactgag tgacatagct ccagcaggtc tggattctgc      300
agcttggtcc ttatcttctg gctcagggtc agctccgggc tcggcctgtg ctgctgcagg      360
gcctccagga ccgagcgggc cttctcaaag gggggatct tcagccggta caggatctct      420
gcccgcagat agttgccaat gccattgaag aacctctggt ccaggagggc ctcgcagatg      480
ggccggtcaa aggccttatc cgctaggttt cgtagcacat tctccctgaa ctgctggtac      540
tcctgcaaga cacagggccc gcggcccggc tgccactttc ccccaaggtc ccagcggccg      600
aaccggcgga tgtccacgaa acatagggcg agccgggggc caggcggggc cgtgtaaaag      660
cgcaggtggg catggcgtgg cagctcctcg cggggcacca gctgaaaaga gccggacatg      720
ccgaagcgga agaccagggc cagtggctcc tgttggggct gggccccagg cagagggctc      780
agtatcaggc gcagctcctt gccgcgggct gaagctgaga tgcggtaggc actgctctca      840
aagggcacct caggggttgcg gctgacagag gacttctcca cgcagccgcc gaacaccagc      900
gccctgcagg cctcattcac aaactggctg gccaggtgca gctcggggcc ctcaggcatc      960
ctgagggagg gtggcagagt cctggctggg aggtggcgga agaacctgac ttcccactgc     1020
ctggcgccgg cgagatgcgg gggcaggtct gaggccccgg gtcgccgctg tctctgcggt     1080
tggggggaagt cacccagcta gcgtgggaca gggtcggcac ccccagcagg aaacagcagc     1140
gacgagccag agcggagtcg cctgcagctg cgcgcaggac gtgcacaggt gcgcggtacg     1200
cacaggccct agggacccgg tggggatctt aagcaccaac gaacagtcag acctaactca     1260
taaacaaaca tcatcacggc ctgccctgtc agaagcgcag ccaagcaaca acaacaacaa     1320
aaaaaggcga ggaggtagac ccacttgaga tggttctgtt gcggagagtc tctgaaatca     1380
gaaagcgcca gtccgcaaaa acgaggaaac ccgacgtgtc cggcggaagg aaccgccagt     1440
acaaaggccc tgaggcgaga aagagattgg tcactgaaag aactcaaaga agtcctgtgt     1500
ggctggagta tagctgcggg ttagtgctgg caggtgaaga cagagaagca aacccaggtc     1560
```

95

```
aggtccggtt gggcctcggg agggcctccg tgtggagtct gcacttcatt ctaagtgtat    1620
acctaaccca tcgccacgat ttcccctcct tcacactacc ctgctacgtc tccttattag    1680
gcgtaataaa attatgtggc tttgtaagaa attggttttt agagatgcat gttaaagtat    1740
tgggtatgaa atgtcatgat ttgtctaatt tactttaaaa tacttctgcc ataataaatg    1800
aatagaatta ac                                                       1812
```

<210> 175
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(533)
<223> similar to gi3599473 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 175
```
tgcgctcacc ctcaggaact cagggctcaa agtcggccgg gttaaagggc gctttcctcg      60
tacagtcaaa gcccggggggc gccccgacag agcagctcct tgcaggggtg ccagtcacag     120
gaccggacgg cgccctccct cagtgtcctg ggtgccatct tcgggcccag gccccacacc     180
accccctccc tccagcagga gcaaagacgt gggaaaacca gcccagagct gggtccgagg     240
cggccccacc cagcctaaca cgggacagct gccgaaagag gggctgagga cgccccaccc     300
agtccctaga gctggaatcc cttcctccag acaggccctt ctaagctcag ggaacccggg     360
gactcgggca cccagcgccc cagcactccg ccccgaggcc caggcaagtc cagcggagtt     420
tccaggcgca ccattcctga gctaggtggg gagaggctgg gtggcgcccg tttccaggag     480
cccccacccc agccggcagc gagcttcccg ggagcagccg ctacccaggc gc            532
```

<210> 176
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(368)
<223> similar to gi3184263 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 176
```
ctcccgacta ggtctggtgc ctgtttgggg acggagcttt tggctacagc ctcatcgtat      60
ttgatacatt cgtcagacac aaggtgactg ggctggcctg agggaagctt agggcctggg     120
gttctgggag atttcaccag gggtgggctg aggtggggag ggagcctcct ctctggcaga     180
```

```
ggccctatcc ctgtctctgt cctctggctg gccaagccat ggggctgaag gctgcggcct      240
gccttcatca tcttcctgta gatcccagtg atggccttgg tagggaatga tgctggctgg      300
acacagattt ctcgggagca ggtgccctct ctgggcagca acgtggcctg tggcctggcc      360
tacactggtg aggggcctc agcgaggttg ggaggacagg aggctgtttc agtcccagct      420
gggcttg                                                                 427
```

```
      <400> 177
gggggctaca ccaagagtgg ctatgactct gcatgtaaag actttgtccc tcatgacttg       60
gaggtccaga ttcctggaag agtctttttg gtcactggag gaaacagcgg cattggcaaa      120
gcaactgccc ttgaaatcgc caagcgaggt ggcacagttc acctggtttg tcgagatcaa      180
gccccagcag aagatgccag gggtgagatc atccgggaga tgcggtaacc agaacatttt      240
tctgcacatt gtggacttgt ctgatcccaa gaaaatctgg aaatttgttg aaaatttcaa      300
gcaggaacat aaactccatg ttcttgatca ataatgcagg ttgcatggtc aataaaagag      360
aagctcacaa gaagatggac tttgaaaaaa actttggttg ccaatactct ggggtgtgta      420
catttctcac gacccggcct gatcccctgt gctggagaaa gaacacggac ccccgagtga      480
taacccgtct cctcaggagg aatgttggtt cagaaactga acaaccaatg atctccagtc      540
cgaaagaaca ccatttggat gggaactatg gtctatgcac aaaacaaggt cagtgagagg      600
cagcaagtgg ttctgacggg agcggtgggg cccaagggca cccggccatc cattttctt      660
ccatgcatcc tggctgggcc tgacacccca ggtgtgaggc aggcgatgcc ggggttccac      720
gtccaggctt cggggtatcg cctgcgctcc gaggcccagg gcgcggacac catgctgtgg      780
ctggccctct cctcagcacg cagccgcaca gcccagcggc cgc                        823
```

<400> 178
```
ccatcgtaga cttcatactg gagagaaatc ttacaaatgt acaatttgtg acaaggcttt      60
cgtgcgtaat tcactcctgt caagacatac cagaattcac actgcagaga aaccttacaa     120
gtgtaatgaa tgtgggaagg cttttaatca acaatcacac ctttcacgtc atcatagaat     180
tcatactgga gagaaacctt agaaatgtga agcatgtgac aaagtttcca tttggaaatc     240
acaccttaaa gacataggag aatttatact ggagagaaag cttacaaatg taaggtttct     300
gacaagactt gggagtgatt cacacctgga acaacatact ggacttcaca ctggagagaa     360
accttacaag tgtaatgagt gtggcaaagc ctttggcaag cagtcaacac ttattccacca     420
tcaggcaatt catggtgtag ggaaacttga ctaatgtaat gattgtcaca aagtcttcag     480
taatgctaca acgattacaa atcattggag aatccataat gaagagagat cttacaagtg     540
taataaatgt ggcaaatttt tcagagatcg ttcacatatt gcaggtcatc ggtgaactca     600
tactggagag aaaccttaca aatgtcatga ctgtgccaag gtcttcagtc aagcttcatc     660
ctatgcaaaa cataggagaa tttatacagg agagaaacct cacaagtgtg atgat          715
```


<210> 179
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(614)
<223> similar to gi3184082 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 179
```
aaatcctgaa aactgggcct attacaaagg cttggaaaaa gcactcaagc caactaatat      60
gttagaacgg ctaaaaattt atgaggaagc ctggactaaa tatcccaggg gactggtgcc     120
aagaaggctg ccgttaaact ttttatctgg tgagaagttt aaagaatgtt tggataagtt     180
cctaaggatg aatttcagca agggttgccc accagtcttc aatactttaa gatcattata     240
caaagacaaa gaaaaggtgg caatcataga agagttagta gtaggttatg aaacctctct     300
aaaaagctgc cggttatttta accccaatga tgatggaaag gaggaaccac caaccacatt     360
actttgggtc cagtactact tggcacaaca ttatgacaaa attggtcagc catctattgc     420
tttggagtac ataaatactg ctattgaaag tacacctaca ttaatagaac tctttctcgt     480
gaaagctaaa atctataagc atgctggaaa tattaaagaa gctgcaaggt ggatggatga     540
ggcccaggcc ttggacacag cagacagatt tatcaactcc aaatgtgcaa aatacatgct     600
aaaagccaac ctgattaaag aagctgaaga aatgtgctca aagtttacaa gggaaggaac     660
atcagcggta gagaatttga atgaaatgca gtgcatgtgg ttccaaacag aatgtgccca     720
ggcttataaa gcaatgaata aatttggtga agcacttaag aaatgtcatg agattgagag     780
acattttata gaaatcactg atgaccagtt tgactttcat acatactgta tgaggaagat     840
taccccttaga tcatatgtgg acttattaaa actagaagat gtacttcgac agcatccatt     900
ttacttcaag ggcaggcaag aattgctata gagatctatt tgaaggcttc atgacaaccc     960
ccttacagat gaggaattaa aggaacacgg aggctggata cagccaaaca tgtctggaca    1020
aagg                                                                  1024
```

```
<210> 180
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (651)...(567)
<223> similar to gi4971998 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 180
aaagtagtag gttggtgcaa acgtagtaat aaattggttt ggccctgttt tcatagaact      60
atagaggttg gacctttgtc cccttccaga tgcctacaaa caaactgatg tttttgattt     120
ttttttcttt ttaaattttg gttgccacta attcttataa aaatcctcac acaaggctgg     180
gctcagtggc tcacacctgt aatcccagca ctttgggagg ctgaggcagg cggatcacga     240
ggtcaggaga tcgagaccat cctggctaac acggtgaaac ccccgtctct actaaaaata     300
caaaaaaatt agccgggcgt ggtggcgggc gcctgtagtc ccagctactc gggaggctga     360
ggcaggagaa tggcgtgaac ccgggaggca gagcttgcag tgagccgaga tagcgccact     420
gcactccagc ctgggcgaca gagcaagact ccatctcaaa aaaaaaaaa agtgataata     480
ctgtaatccc agcactttgg gaggccgagg caggcggatc acgaggtcag gagatcgaga     540
ccatcctggc taacacggtg aaaccccgtc tctactaaaa atacaaaaaa ttagctgggc     600
gtggtggcgg gcacctgtag tcccagctac ctgggaggct gaggcaggag aatggcgtga     660
acccaggagg cggagcttgc agtgagcgga gatcatgcca ctgcacttca gcctgggcga     720
cagagcaaga ctccatctca aaaaacacac acacacac acacacacac acacacacaa     780
atagaaaaat aataatagtt ttaagcacct ctaaagtaca gatattgtgc caagcaattt     840
atgtgaattg attagattga taactctaaa aatagtttcc ctaatcaact                 890




      <210> 181
      <211> 480
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (15)...(480)
      <223> similar to gi339771 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




      <400> 181
cattcctggt cagaaaaagc attgaaatca tatcaagtat ttttctgacc aggaatggta      60
taaaactgga agtcaatggc aagaggaact ttggaaacta cacaaacacc tggaagttaa     120
ataatatgct cctgaataac cagtgggcca atgaagaaat taagaagata atttaaaaat     180
ttctggaaat aaaagaaaat ggaaacacaa cttaccaaaa cctatgggat acagtgaaag     240
cagtactaag aggaaagttt atagcaataa gcacctacaa caaaaaagta gaaaaacttc     300
aaataaaaaa cctaaccatg cttctgtaac aactagaaaa gcaagagcaa accaaacaca     360
aaattagtag aaaaaaataa atagtaaata ttcaagcaga aataaatgaa attgaaatgg     420
```
99

<210> 182
<211> 1922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1446)...(442)
<223> similar to gi2088675 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 182
tttctttctt catccaaaat agtagagatg tctttcccac gatgacctgt gatggtggag   60
atatctttc ctcggccaac tcctcctcca tcggcttctt tgatgtcatc ttcaatagct   120
tcatcaattg cttcatcaaa ctcatcaaat ctgtagctta tacatttcct tgttcttgtt   180
gacctccttt caaagcaagt ttgctttgga ttttttttgaa tctttttttct tttcttcttg   240
atcttcagaa aagtctggct ctttgtggag gaatgatgtt ttcaatactg gataccaaca   300
tacaccaagc gttcttttcc ttcgttccgg caacgctctt tccttcttta aggcaacatc   360
ccaaatcctg gaaactggtc ctctaatttt tccaacaaga gcaagtttaa tgttgggcaa   420
aaggtggggc aagaacccat cctcccatct ggggatggat catcagagga ggggcgaaag   480
gcagggcagt atggtatcca ctatcgcaag agtcacacag aagaattagc tcaggatggt   540
ttggaaggcc acatttttttg catggttcat catcatctgc taggatggct tcttcacttt   600
ccttttcttc ctcctcttct gaagctgcag atgattttttc actgccagac ccttcacttt   660
catcattgct ggaatatttc catctgccac gtgtccgaga accagtccat cgaactttgc   720
ctttgggttt taccttgctt actttagaat ttgtatcttt ctctgatttt ttcaaaattt   780
cctttttgtc agtttttttgc aaagctgttg actcttcttc cacctcatct tctccttccc   840
ctcttttttt atcagctttc tgatctctga tctcagccac ttttgcagtg ggtctagata   900
ttcttggaga tcttcttaaa gtacgaccca catttgtttt ctcctcttcc ttttctgtct   960
tctcttgctt gttttctggt tctagaactt tggggggaga atcgggcttc ttttttccgac   1020
ttgatatcct gattgttaat ttgatgccct cttttctgcct ttcagaggtt atctctgtat   1080
tttctgaggc agtggtttct tcttcaggaa ccaacttata tttgaatttg cttttttttgca   1140
tagaacccctt tgtctcagaa ggctcctcta tgccagaggt ctgggcattg tccagattat   1200
ccatttctac ctttgtgaac tcagaatcct cttttaggggt ttctaggtct acttttttttca   1260
cagactggcc accaacagta cttgtactct ggcattctac cacttctttt tctgaggcta   1320
gtttctcaca gtggtcaatg atattagatg gtggagaagt ttcagctgcc tcaggagagc   1380
caggcttttc tgactctaga gtactctttg gaacttcttc tggtattgga ctcaatcttt   1440
gtgcgtcctt atcaagaaaa gtctttttgg acttctctaa cttttcaaga cattctagga   1500
ttggtgggcg cttatccttc ttagtttttgg gagacttctc ttcacctttc atggtacacg   1560
actcggtgga agataaagca gtttttgaag agagatcttt tgccatctca gaagaatcaa   1620
gagaagtttc catttctgga ggatcgggtt cctctatttg tgcttttttga ctatggatct   1680
ctaagactga tattgaacta tctgcatctt tcctcaaagg ggctgtttct ttctcaagct   1740
cacctgtttt catacttggt tatgacagaa tttaaggact ctgttccatt tccctccgtg   1800
atgatatttc tgtccttagg ggggctatag ctctcttcct ttgtctcata aaactttgtc   1860
tctacttggt tctgtcttaa aatttggagc taccctttca tcactaactt ctccatttac   1920
ca   1922

<210> 183
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(516)
<223> similar to gi3036883 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 183
atggctgtca tccagtccct ctcgccatgc tatgagactg tcttgctctc tgagtcctcc   60
tggtccatgg gctcgcccac ccactgcagg ccatagtcac tgaggaaccg ctccatctcc   120
ctgacctgcc gctgcagctg cacacacatc gtctccagtt cctcctgccg ctgcagggtt   180
gcctcggctg ggtgtggccg gagggtctgc accaggtcct ctagggccgc tatcttctga   240
tccttggaca gtatctcatc agtctgggcc ttcacctgct gctccaggtc ccacaacttc   300
ctcgtcatga aggccatcag ctccgagtca tgggatgcag ggacatctcc atagatgcgg   360
attcctcgcc tccttttgcc tcttccactg tctccacaga ggtttctgga agtttctgtt   420
atctgcctgc tcctctgggt atacggcttt ctgctctgaa ctgagagacc tttggcctgg   480
tggtgcttgg gaaagtacac gcagggccgc acgaaa   516

<210> 184
<211> 998
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(999)
<223> similar to gi2072964 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 184
ccaatgggcc tgccagaata ccacattcct tttttaggca ccatgtatcc attcctcaag   60
gatagaccca tatgttaggt ccacaagtcc ttaaaacatt aaaaaagttg aatacccatc   120
aagcatcctt cctctgaccc acagtggaat acaactagaa actaataaca agaggaattt   180
ttgaaactac aaatacatga aaattaaaca atatgctcct gaatgaccat tgagtcaatg   240
aagaaattaa gaaggaaatt gaacaatttc ttgaaacaaa tgataaagga aacacaacat   300
accaaaacct atgggatacg gcaaaagcag tactaagagg caaattgata gctataagtg   360
cctacatgaa aaaagaggaa aaacttcaaa taagcaattt aacaatgaac cttaaccaga   420
aaagcaagag caaaacaaac acaaaattag aagaaaacaa ataataaaaa ttagagcata   480
aataaataaa attgaaataa aaatcaatgc aaaagaacaa tgaaacaaaa agttgctttt   540
tttcaaaagt taaacaaaac tgacaagcct ttagcaagac tgagaaaaaa gagacaagat   600
acaaatcaga aatgaaaaag acattacaac tgacactgca caaattcaaa ggatcattag   660

101

```
gggctactat gagcaactct atgccaataa attggaaaat ctagaagaaa ttgacaattc    720
ctagacacat acaacctact gagactggac caggaagaaa tccaaaacct gaacagacta    780
ataacaagta acaaggttga agccataata aaaagtctcc cactaaagaa aaccaaggac    840
ccgatggctt cactgttgaa ttctaccaaa catttaaaga agaactaata ccaatcccac    900
tcaagctatt gaaaaataga ggaggagaga atatttccaa agtcattcta ggagaccagt    960
atcaccctga taccaaaacc agacaaagac acatcaaa                           998
```

```
        <400> 185
atacacccgt tttaaaaacg cctggggcaa agggagaaat cccaaaggaa atcagtacgg     60
tttttggaac aaagagaaaa taaagactca acatagcaaa atttgtggga tgccctaaaa    120
aagtacttag tgggaaattg atagccctaa aagaatgatc tcaaatcaac aacctgagct    180
tcccccttaa gaaaacagaa aaataagagc aaataaaatc ccctgtaaac attaaaaaga    240
atgtaatttt taaaaagtta aaaataaaaa aaggtttaaa agtttaaaaa aaatagagaa    300
aaatcagtga aaccaaaagt tggttccttg agaaagtcat taaaatttac taatctcaag    360
acagacattc caggaaaaaa aatgaaaaaa gtggaatccc tagagattct cggacgcgtg    420
gg                                                                   422
```

```

```
        <400> 186
aaggtggcgt catcagactt ccatacccaa tcaaaggaaa accattcnca atatgtaaat   60
ggaccaagga aggccaggat attagtaagc gtgccatgat tgcaacatct gaaacacaca   120
ctgagcttgt gatcaaagaa gcagacaggg gtgattctgg cacttatgac ctggttctgg   180
aaaataaatg tggcaagaag gctgtctaca tcaaggtcag ggtgatagga agtcccaaca   240
gtccagaagg gccactggaa tatgatgaca tccaagtccg ctctgtgagg gtcagctgga   300
gacctcctgc tgatgatggt ggtgctgaca tcttaggcta catcctcgag agacgagaag   360
tgcctaaagc cgcctggtat accattgatt ccagagtccg aggtacatct ctggtggtaa   420
aaggcctcaa agagaatgta gaataccatt tccgtgtttc agcagaaaac cagtttggca   480
taagcaaacc cttgaaatct gaggaaccag tcacaccaaa aacaccattg agtaagtgcc   540
ctttcaacca caaaattata aacattattt cagcactttt ctgtttttaa atgaaagtca   600
ttggcttata atacttggga ctgtattcta atacatgtgt gctttccact tatatttaca   660
gatcctccag aacctccaag caatcctcca gaagtactcg atgtaaccaa gagttctgtt   720
agcttgtcct ggtcccggcc caaagatgat ggtggttcta gagtcacagg ctactacatc   780
gaacgcaaag agacatccac tgacaagtgg gtcagacccc acaagactca gatcccccc   840
acaatgtaca aagtcacagg gcttgttcca aatgctgagt atcagttccg catcatcgca   900
cagaatcgg   909

        <210> 187
        <211> 526
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (63)...(526)
        <223> similar to gi5926738 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 187
agccatgtta accatttgtt aatttcttct gaacagatca agcaaaagta gataatcagc   60
cagaaaaatt agtgcgtagt gctgaagatg tttccacagt gcctacacaa cctgataatc   120
cattttctca ccctgacaaa ctcaaaagga tgagcaagtc tgttccagca tttctccaag   180
atgagagtga tgacagagaa acagatacag catcagaaag cagttaccag ctcagcagac   240
acaagaagag cccgagctct ttaaccaatc ttagcagctc ctctggcatg acgtccttgt   300
cttctgtgag tggcagtgtg atgagtgttt atagtggaga ctttggcaat ctggaagtta   360
aaggaaatat tcagtttgca attgaatatg tggagtcact gaaggagttg catgtttttg   420
gggccccagt ggaaggactt aacagcagcg gatggaaaaa aacaggcgtc ataccatatt   480
gaaagggcta atttgctacc aaacaaaggc caaatgggca agaaaa   526

        <210> 188
        <211> 469
        <212> DNA
        <213> Homo sapiens
```

<220>
<221> misc_feature
<222> (3)...(330)
<223> similar to gi285951 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 188
acactgtttc aacatttaca tcctatgaac tcatggatta taaaacattt gtgacttata      60
ctgtctatgt cagtatgatt gccttagaaa gaccagatct cagggaaaag gtaatgacca     120
aactttaata ctcaaattta aagacttgtt ttttttgttt aaatacacaa atcattaaaa     180
tgtacatttt ttttgtatat atgttttta aaatacctag gtcattaaag gagcagagat      240
tcttgaagtg ttgcacagtc ttccagcagt tcggcagtat ctgttttcac tctatgaatg     300
ccgttactct gttttcttcc aatcattagg taaggatagg gttgatattt ttgattatct     360
gtcttcatct tactcctgat cctatgtgca aataacctaa gacgatttt cacctatctg      420
agaaatgtag tgtgtaggta actgcatgtc tttgatcagt attcctaat               469




<210> 189
<211> 1614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (544)...(1361)
<223> similar to gi5834580 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 189
ttattcccct ttctcccca aagcactcat gacctgactc gctgggagct ctatgagcca      60
tgttgccaac tcctgcagaa ggctgtggac acaggagagg ttcctcacca ggtgagtgga     120
caggctagag atgggttggg ggctggggg ctagatttta aggacctacg gttctaggtg      180
gccactaggt gtgtcaagtc tcagtgcgtg gagtggacaa agcgaggaag atcaggtggg     240
tgggggtcac ctcttacatt cctctcttag aaggtggact ctacttccag ggtcttcttg     300
gatttcctgg aagccaagga taatattgag ggattctaga agacgtagag taaattaggg     360
agcggtgaca tttctacttc gtgtagatgc ctctgaagaa tgtccagaat atcactcatt     420
ttccactgga aaaggaatta gctctccctt tactcatttt ctctcctctt cactggtgtg     480
tttctggcta tctgtctctc cctctcctaa cccaaacctc atttttcaaa ccctttgttg     540
ttacaggtta tcctgccagc cttgactctt gtctatttt ccattctctg gacactaacc      600
cacatttcta aatcagatgc ttcccaggtg agtgtgggtc ttagatggga taatgggaac     660
agaggagtct gtgtcttcat tcttcccctt caagccactg tgcccacaga agcagctgtc     720
gagtttgagg gacagaatgg tggccttctg tgaactctgc cagagttgcc tctcagatgt     780
ggatactgag atccaggagc aggtgagtac tgactcaagt gggagcaaca aggcgagtat     840
ccctgcccc attccaagga gaaattgaca gtgtcatttc taccttggga aacattctgt       900
cctttaaac atcctttctt ttccccctac aggcttttgt cttattaagt gatctacttc       960
tcatctttag ccctcagatg attgttgggg gccgtgattt ccttaggcca cttgtctttt     1020
ttcctgaagc tactctccag tctgagctag ccagcttcct catggaccac gtcttcatcc     1080
agccgggaga cctgggcagt ggtgcagtga ctctatacct ggggctcagt aagggctggg     1140


104

```
gcttgggtgt agctcagaaa tatagggcag gaagcttaag tctgtgattc cctttttgcct    1200
tccatgtgag ccaggtgatt cccaggagga tcatttacag atagagcggc tacaccagcg    1260
gcgccgcctc ctagccgggt tctgcaagct gttgctttat ggggtgctgg agatggatgc    1320
agcctcagat gttttcaaac actacaacaa ggtacaccaa ggccccagct tgggcttcac    1380
gaagccactg gtgaatgccg aggttactcg gctgcctaca gtctagccac tgaccacagg    1440
atggtgaact cctgaatgac aacgtgtggg gtgacaaagg gcaggtcccg cttgagcacc    1500
aggatgaagt ctgtctgata cgtggacagc atgcaacacg gatatgttct ggtcagccag    1560
tggggcgatg actgacttgg cgatcttggt catgccaata ggctgggagc tgga          1614
```

```
                                     <400> 190
aacaaaagaa aacattttat tgcaatttga ttaacaagga gacaggagcc cagctcaaat     60
ctgtcccatt gtacttattt taaagagtta ttttagtaga aaaggtgtag ggagtggatt    120
ctgtgattag taggtgattg atagaaagat ttgtttgggc tggaaaatcc tcgggccatg    180
gggcagttaa cctcttcatg ccctcctcat gggtccccat gtgcaaactc cagagggagt    240
taagtatgaa acatgcggta caaatttagg ctgtgtgtca gcaagctcat tctgtacaaa    300
ctctggtttt atctctttat cttgacacct gaagggtgtg cataatccca tcactcccca    360
aaatatgccc tacatgcaga atttaaattc atcctgcctc cttgactctg agggccactt    420
cctaccacag ctaggtccc ttttctgtca gcattctttc tggagcttgc ttatatcaaa    480
cctaagaaaa gcaactccag gactccagac aaaacagatc tccacccatc tggcggccag    540
aaagggaagc tctgggcaaa gagggagaga gaatcaacct cactcactct ggatgggcct    600
cctgtgtgtt cacagaggac agagcagagt cccccagctc atcctcaata tcagcgtccc    660
cagactggct taggtcctgc tagaagaacc caggattttg cctggcagaa agacacaaga    720
cctttgccag gatcagcctg gtctctcacc aattcatgtc aggtgaagac ttatagtgga    780
gctgtttaaa tccttagaaa aatgatttta aatgccttga agtccaaatg actttggagt    840
gctaaaattt cataagtttc catgcctagc acatagaaaa gggaagctgg ggtttcatgg    900
gcatgtttgt ctaatacctt ccatctacac aacctcacac gcacatcaca aagcatcaca    960
aagactctaa tttctccaac gcttggtgga atcacctgtc caggtacaga taggctgcca   1020
caccgatgac cttaccaagg ccaggaagct atctcgagcc cccgtggtga ctcaccaatg   1080
ctggatggac aggactgagc ggtcagtctc ctgcctctgg ggcggcctcc tctacgtcat   1140
cgtgcccaag ggcagccaac taggccctgt gcctgtcact atcaggggag ctgtgcctgc   1200
cccatactac aagctgggta agtggagtga acatttaggg aggaggaaga gtggcagatg   1260
ccgtgggaac tgtggggtgg ttgctaaatg ggagagggat gagctttggt ggagagaaag   1320
aggaagaact gttgggaggg aacatggagg cagaagatac ggaatacCct gtgtccatgg   1380
agacttcagg gcagacaaag agaagagtca ggaagccttt tcttcccttt acagcctata   1440
gacgcctgtg atagtagttc attattgcaa tgttcttcca gagttcaaat ggtatttttc   1500
agctcaaggg aagttggaga agtgggtgtg gtaggttcca tgatatttat tcccaggtaa   1560
gacatcgctg gaggagtgga agaggcagat gcaggagaac ctggctccct ggggagagct   1620
ggccacggac aacatcatcc tgacagtgcc aaccacaaac cttcaggccc tgaaggaccc   1680
cgagcctgtg ctccgcctct gggatgagat gatgcaggct gtggccaggc tggcagctga   1740
```

105

```
gcccttccct ttccgccgtc ctgagaggat tgtggctgat gtgcagatct cagctggtgg    1800
gtgctcccag ggaatcctcc tgtaatccca gctactcagg aggctgagac aggagaatcg    1860
cttcaaccca ggaggcagag gctgcagtga gccaggatcg caccattgca ctccagcctg    1920
ggcaacaaga gtgaaacttg ttttagcgtt ccgattttgc ttttgtcttc atgctgcacc    1980
tcatcttcct tttaagcttt cagaataaac attccattcc tttacccctg agcagtgcg     2039
```

<210> 191
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(621)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 191
```
ggagaactcc gattgattgg agtccctgtt ggggcagtag cagggttcca cccaccgcgg      60
tcctaggcct gggggcgaag tccaggcctg gccacaaggt tcaaagatgt gtcagaccca     120
agccgctacc ccctactccg agggcgaggg cggagaggct cagccccagg ggcggggcct     180
gtagtcggag gccgagcggg cgtggtccgg gtagtccagg cggctctcgg tggcagtgag     240
catgcgctcc ggctccacca cgaacatgta gtagaggttc cacatcagca tcgacagcag     300
tggcagaaac gtcaggccgt agccgaagcc tcggaaggag cggcccacgg caaaggtcag     360
ccagtagatc agccgggaga cggcaaagag accagtgagc agagggagca gtttgagggt     420
atcctggggc aggtaagtgg aaagcacggc caggttgaag aagtagagaa taaagagctg     480
gaccgactgg gccacatatc gccggtggat ctccacctcc cgccgtggct ccccaaaggg     540
ccgaagggca gaaaagcata acaggctcag cccgtacacc aggatccctc ttcacttcca     600
gtagggccag ggtctcctgt tctgtcatcc tggggcctca gttctgggat ctaccacaag     660
gtcatgtcat cctgccctga tccagttaag ctttggccgc ctcagtgggt acactgtccg     720
ttctctgata gctttgccaa taaagttttt cgcaagggtt tggagaagcc ggaaagacgc     780
catgctgccc agag                                                      794
```

<210> 192
<211> 1616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(1575)
<223> similar to gi330421 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 192
ggaggttgcg gcggcggctg cggcgcagcc cggggcggcg ggtgggaaga ggactaccag   60
aggggcctgc gggagaccca gggtcggacc cataggagtc ctgtcgtcag gacctccttg   120
atcggtcttc tgcttgggtt ctcggtgaag gaggagcttc ggggtgtcgg ctgggctgcg   180
cggactcctc ttgggatccg atgatggatc ccacccggtg atcgggaatg gggttacaat   240
gcagtgaggc ggaaaggctc tcgccggggc acagaaagat ccccagggcc gcaaggcgtg   300
ctgtcgcctg caaaggcact gacccacgag cccactgcct ccctccttcc tgggtggagc   360
aggggcctgc cttcatctcc aaggcccggg ggctccggca tctcgacgcg gcttccggcg   420
acacgggcaa agagagacag aggctagtcc gagccggagc cagtgtgacc acacgtggca   480
ctgacgtccc ccaagagcac atgcagtgag cctgtgtctc tgaggccgta gtgggcgacg   540
acgagacgga cagtgatgtc caggcctgcg cccggggggcc actggagacc tgcccctcaa   600
agcggaggaa acgccaagct cacctgaaaa cctgcgagac agggcctgtg cacgagtcca   660
gtactcctac ttcgccaagt ctcagggacc catccccgag caacggtggc ggcgcagaga   720
agagcacggc gccggcgcag gtgcagagag acaggaggct gatggggggga agttgaggca   780
cctggggcag agaaaaaaat gcattgccaa gaggtttctg ggtcatctac tgacgaaaat   840
gtcttccat cagcccttgc gctggtcccc agggaccctg gcatccgtcg ttggcgccca   900
gggtgcgcgt cgggccacta ggggtacccc aactcggaca gaaggcccat gagttgaatt   960
tgaagtttgt gggaatagag gtgaggcacc aggggcagaa aaaaaacagg agacctcgcc 1020
tcagacaagc ggggcctggg tcccccatgg atgaaagtgc cttcccatta tgctgtaccc 1080
tgggcagagt ggacagtgac gaccctggtt cgagcccagg gtgcgcttcg ggaccgcttg 1140
cggttaccag aaagcgaaca aatggtccat gagcggaagg tgaggcacct gaggcagaga 1200
aagtaaagaa acgcgccgcc gagaagcagt gcctgggtcc ctcacggagg aaattgtctt 1260
ctccttagcc cgttcgcttg gcagtgaggt ccctggcgtc cctggtttga tcccagggta 1320
cgcctcgggc cactagtgtt accccaaggt gggcagaaag cccataaggg gaaggcgagg 1380
cacctggggc agagaaaaaa aaaaacttcg ccgcaaagaa gcgcggcctg attccccacg 1440
gacgaaagtg tcttcccatc agtccctgca ctgggacccg gggaccctgg tgtccctggt 1500
tcgagctcag ggtgtgcctc agccgctacg tgcaccccaa ggggagcttt gggagcccaa 1560
aagccaataa gggaaagtaa tttttaaggc ccccagtggt gaggcccctg tcacag   1616

<210> 193
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (30)...(476)
<223> similar to gi1297319 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 193
attatacaag gaatgcttct aatctggaaa gaaatgacct acggattgag gatggcatct   60
cttccacact gccgtccaaa gaatcaagaa ggaagggtgg tctggactac ctaaagcagg   120
tagagaatga aacaagaaac aaatcagaaa atgaaaagaa ccgcaatcag gaagacaaca   180

```
aagtcaaaga ccttaaccaa gagattgaga aacttaagac gcaaatcaaa cactttgaat      240
cgttggaaga agagcttaag aaaatgaagt ccaaaaataa cgaccttcag gataattacc      300
taagtgaaca aaataaaaac aaattattag ccagccaatt ggaggagata aagctctaat      360
caagaaacag aaagagttag aaaatggaga ggtagaaggg gaagatgctt tcctgccaca      420
aagcaacgaa atctcgaccg ggngtcgtcc gatgtctcta agggctatac gactcg          476
```

<210> 194
<211> 1686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1687)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(1689)
<223> similar to gi2351568 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 194
```
cagggttacc cggaggagta tgaggagcac aggggaaagg gcagctttca cagctatgat       60
ctctccagca tatcagaacg ccatgaagct tcaggagctc gctagtgaca tcaaatacag      120
gcaggacttc gataagatga aaggcgctgc acattatcac tcgcttccag ctcaagacaa      180
cttggttctc aaacaggctc agagcgtaaa caaactcgtg agtgagaata aatataaaga      240
aaactaccag aaccacatga gaggccgcta tgaaggagtt ggtatggaca gacgcactct      300
gcatgctatg aaagttgggc agcctggcaa gcaacgttgc ctacaaaggc tgattataac      360
catggtattg tcgacttaca aantacccca gccactctca cgccttccta tcaaacagct      420
atgaaactgg tgcccttgaa agatgccaat tataggcaga gcatcggaca agttgaagta      480
cagcttggtg actgacaccc cacagattgt tcaagccaaa atcaatgccc agcagctgag      540
tcatgtgaat taccgtgctg actatgagaa aaataagttg aattacacat tgccccagga      600
tgttccttca gctggtgaag gccaaaacca atgccaaact cttcagtgag gttaagtata      660
aagaaggctg ggagaagaca aaggggaaag gatttgagat gaagctggat gccatgtctc      720
tgctggccgc caaagcctct ggggagcttg ctagcaatat taaatataaa gaagaatatg      780
aaaagacaaa aggcaaagcc atgggaacag ccgactctag gcttctgcac tccctgcaga      840
ttgctaagat gagcagtgag gttgaatata agaaaggctt tgaagagagt aagacccggt      900
ttcacctgcc catggatatg gtaaacatca ggcatgctaa gaaggcccaa actctcgcca      960
gtgacctgga ctacaggaag aaactgcatg aatacactgt gctgcctgaa gatatgaaga     1020
ctcagtgggc caagaaggtc tatgggcttc agagcgagct gcagtacaag gctgacctgg     1080
catggatgaa gggagttggg tggctgacag aggggagtct caacttggaa caagccaaga     1140
aggctggaca gctggtcagc gagaaaaact accggcagag ggtcgatgag ctgaagttca     1200
ccagcgtgac cgacagctcc cagatggagc acgccaagaa gagccaggag ctacagagcg     1260
gggtggccta caaggcagga aatgagcagt ctgtccatca gtataccatc agcaaagacg     1320
agcctctctt cctgcaggcc cgagccaatg ctgcaaatct cagcgagaaa ctgtataaga     1380
gcagctggga aaaccagaaa gcaaagggt ttgagctgcg tcttgattcc ttgaccttcc     1440
tggcagccaa agccaagagg gacctggcta gcgaggtgaa gtacaaggag gattatgaga     1500
gatccagagg gaagctcatt ggggcaaaag atgtacaggg agattcgcaa atgagccact     1560
cactgcaaat gtccaagctg cagagtgagc tggagcacaa gaaaggattc gaggacacca     1620
```

aatcccaatg ccacgtctcc ctggacatgg tccacctcgt gcatgcccgc aaagctcatc   1680
atttat   1686

<210> 195
<211> 1344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(136)
<223> similar to gi211607 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 195
tttttttttt ttgctgctgg gtcgggtttt atttcaaatg cagccacaga ggcggtttct   60
gcacaggtac gtgatccgac tccacaagct cccaccaggg gctccccatg acccgcaatg   120
acgctgtgtg gggtcaaagg aaaacaggcc acagccaggc ccctcgatgg acgcaggcag   180
gggaccagga atgcggccca cgcaggggga tcgggaatca ggcggaaggt gcaggtttgc   240
agctggcggg aggagccagc atgccccaat ctctaaaata ttcccggtag aaaaatagac   300
atttccctcc aaagcagatt cctggggctg gagggtccct ccaaggccag gggtccgggt   360
gattccagag catccacgct ctgcgctgaa ggcactgaac ctgccatcac tgtcacagcc   420
gtcaccggcc aaggagggtc tggaggaggg aaggggccct tgcgaggctc tggtgctggt   480
gatcccggcc cccaccaccg gaggagctga aagcccttgc tcagccgctg ccctgctggt   540
gaacccggcc cccaccgccg gaggagctgc accctgtgtg gtctgaggca gccctgcact   600
gggcagcggc cccgccccgc gctgaaccca ctaggagagc agctgcagca cctgtcggat   660
gcgctgggcc ctccccggca gggggggatc agagccctcc tcatccagct cccgcatcag   720
ggcttccgcc ttctgcaccg tcagctctcg ggcccggccc tgcagcccct ccaggtaggc   780
cagcagggtg gagaagtgct catcgggaac cttgtcactg tcatacatgt gcagcaggag   840
ccacgtctgc ctcgtcttct gaaacctcca gttcttgtgc ttttgggccc atctgcagag   900
gtagtccagg gccagttcgg cccccgagcg cctggcaggc gggtgctggg ccacaaggcc   960
tgcctcccgc agacgctgcc tctcctcttt cttccgttcc tttttcagct tcctttccag   1020
gaccctctgc tcctctgggg acagctctgg ctctgcgtcc agcccgggcc tgagcacagc   1080
ttcgcccttg gagccggctc cttcgccact tggtgcagcc tcagggccca gcagtggccc   1140
ctctgctgac gccttcttca gcttttttgtt ctttttctct gtcacttcag gaactttttct   1200
cttctgtttt gccatcctgc gcccacctgc gcccacgtcg cccacctaag cgtgaacagc   1260
tgcgtcgcgg acgccgcctt ccggcaggga cccgcggacg cgtgggtcga cccggcaaaa   1320
cgggtccaac ctagggcgtc gagg   1344

<210> 196
<211> 1617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
        <222>  (1)...(1618)
        <223>  n = a,t,c or g

        <220>
        <221>  misc_feature
        <222>  (98)...(1617)
        <223>  similar to gi1118097 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400>  196
ttttttttt  ttctgtctaa  aatgacaacg  atcgtttgga  gaagtttatt  accaccccta    60
ccctccagtg  ggatctcaat  gtcacgatga  gtccggggct  ggctttccgc  cgggaccctc   120
ctgtcctggc  acatggccca  ccccagcacg  aagcctggcc  gggagggctc  aggtgggtgg   180
ctgctaggcc  aggcctcccc  agaacgactg  ccccatgtcc  agcctgtatc  tcctgagtgc   240
catgctgcac  tggggaggga  cagggctggc  tcggggctcc  aggaaagatg  cctcacatgt   300
gcctagaaat  gtaggcgtca  agggaaggct  gtgtgtgggg  gcacctgagg  ggctgggctt   360
cccaggcatc  tgagttctta  cggagcccta  ataggcacat  ccccaaatgg  ttgtatgagg   420
atgagcacaa  aaatagcaga  tggggtcacc  ctcaccctcc  actgacaatg  gactgggatc   480
cgactcatgc  aacattcctt  ctcggccgta  ggttccacat  ccatgggtta  ggtgtgctgg   540
cctggagccc  gccggccccg  gtccccaccg  cacaaggacc  ccatcacaag  tgggtgtcat   600
actcttcctc  cagaaacgga  ttaagcaacc  agcatgtgaa  ccttacgctc  tgtttacagg   660
ctgagtcccc  acagctcttc  cagcttcagc  caggccaggg  tcaccttcag  attgaatgtg   720
cagggcccct  gaggactcat  gtcctgagat  ggcccttctt  cctgggatgg  gaccccccggg   780
ttcaggtgag  aggtgttccc  gggcccccttc  acctggggct  caggtgacag  gaggtgttcc   840
gggcccccttc  acctggggct  caggtgagag  gaggtgttcc  gggcccccttc  acctggggct   900
caggtgagag  caagtgttcc  gggcccccttc  accggggggct  caggtgagag  caggtgttcc   960
gggcccccttc  acctggggct  caggtgagag  caggtgttcc  gggcccccttc  acctggggct  1020
caggtgagag  caagtgttcc  gggcccccttc  accagggggct  caggtgagag  caggtgttcc  1080
cgggcccctt  cacctggggc  tcaggtgaga  gcaggtgttc  cgggcccctt  cacctggggc  1140
tcaggtgaga  gcaggtgttc  tgggcccctt  cacctggggt  tcaggtgaga  gcaggtgttc  1200
ccgggcccct  tcacctgggg  ctcaggtgag  agcaggtgtt  cccgggcccc  ttcacctggg  1260
gctcaggtga  gagcaggtgt  tccgggcccc  ttcacctggg  gctcaggtga  gagcaggtgt  1320
tccgggcccc  ttcacctggg  gttcaggtga  gagcaggtgt  tcccgggccc  cttcacctgg  1380
ggctcaggtg  agagcaggtg  ttcccgggcc  ccttcacctg  gggctcaggt  gagagcaggt  1440
gttctgggcc  cctgcatctg  aggcccggga  gttgaccctg  acttcctggc  cccagaaaga  1500
aaagggaaaa  ctcagagatc  acaggagaag  ggacacaagc  ggggagggtc  gcaggctgcc  1560
ccaaagccca  gctccaggct  caggaaagcc  cctccccact  ncacccttcc  ggagggc     1617



        <210>  197
        <211>  659
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(660)
        <223>  n = a,t,c or g

        <220>
        <221>  misc_feature
```

<400> 197
ctgaaggctg tactttgcca agaagagatt tgtgtcatca ttctgctaga atgtggcacc   60
aacccagatc ttatggatgt ctatagcaac aatgcactac actatgctgt gtataatgag   120
aatacactac tggcagaaaa actgccctca caccatgtga atactgaagt gctgaacaag   180
gatactgaag tgctgaacaa ggatgcaaac acaccacttt tacttgctat agtttgcaaa   240
acacagcaaa aggtggaatt ttagtgaaga aacaagcaaa tgtacatgct gttgataggt   300
tgaaaagaac agctctcatg cctgttgtac attatggctt gtcaccgtat agttagcatt   360
cttcttcaac aaaatattgt cttttctcaa gagtatgtat ggaccggctg cagattatgc   420
tatttttggt ggtttggcaa gccctcccca caaattttgc ccccttnnnn nnnnnngatc   480
cttgaaaatg gtcttcaaaa tgacaaccca gaagaagcat ccaagaagaa tgcaagtttg   540
aaaacaggag gagcaagtgc aaaagattct gggagttttg aagcatctgc attcagtatt   600
taaaaaaaaa ctgtgtgttg actcatggcc taaaccagat gatgaagact tgactttta   659

<210> 198
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(410)

<400> 198
agaaaccaaa tccattgtgg agctgatggc aattcaggag aaagaagggc aggccgtggc   60
tgtaccatct tcaaagacag actcagatat aaggactttc attgagagca ataatcgcac   120
caggagtccc agcctccttg ctcacttaga gaacagcaat ccttccagca ttcatcactt   180
cgaaaacatc ccaaacagcc ttgcatttct gcttccattc cagtacataa accctgtctc   240
agcaccactg ctagggttgc ctccaaatgg gctactgtta gagcaaccag ggttgaggct   300
gcgggaaccc agcctttcaa ctcagaatga atataatgag agcagcgaat ccgaagtttc   360
tcccacacct tataagaatg atcaaacacc caatagaaat gccctgacca gcattactaa   420
tgtggagccc aaaaccgagc cagtctgacg aaatcgtcga cag   463

<210> 199
<211> 669
<212> DNA
<213> Homo sapiens

<400> 199
attgttacag ccgaccaatt actgggaatg ggccagtggg ctgcaattcg aaaccaaact   60
atgctaaatg atgaggttat tgaacaactg tggaaatgct gcttagatgc ttgggacaag   120
attcaagatg atgacaaact atgcccatgt ttttaacagc cgtcagacgg ggacaacatg   180
aaccgtatcc agactttatt gcccatcttc aagacgcagc agaaaaagct atccctgata   240
gccagggcca atgacttgtt atagaactta tggcttatga acaagtaaat ccagactgtc   300
aggtggctat ttgcccatt aaaggcaaaa ttccaccagg gggtgatgta ctcacctcat   360
acattaaagt ctgtgaaggc gtgaggggaa ctctgcgtac agcaatggtc atggcacaag   420
ccatggtctc tattcgaatg cctggacaat tccctggcaa atgcttccta tgcagccaat   480
cgggacattc taaaagaaat tgtccttggc atacaggccg ctgttctttt caacaccaac   540
aaccaaaatt ttttcaacaa caagccccac tttctactat atgcccacga tgccaaaaag   600
gaaatcactg ggtggctcaa tgccattcaa aatttgatat tgatggcaat cccttacggt   660
cacttccag   669

<400> 200
tacaccagag ttcacactgg agaaaagcca tatgagtgtg aggattgtca gaaagttttt   60
agcaagaagg accacctcat tgcacaccag agagttcaca ctggagaaag gccatatgaa   120
tgcagtgatt gtgggaagtc atctacccac agctctgcat tctgtgttca taagagagtt   180
cacactggtc acaccacctt atgagtgcag tgaatgtggg aaatcctttg ctgaaacttt   240
cagtctcatt aaacacagga gagttcacac tggagtaagg tcttgtgatt gcagcaaatg   300
tggaaaaaaa gttacctgaa ggtctttct ccttgaatat cagagagttc acactagaca   360
aataaaatac atttgggcaa ttttgtagcc acacctcttt gctccttcaa gatcagagtt   420
aacactggat cagggcctta ccagtgtgac atgtg   455

<210> 201
<211> 564

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(564)
<223> similar to gi1177607 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 201
tttttttttgt ggcagggtct cattctgtca cccaggctgg agtgcagtgg tgcagtcata   60
gctcactgca gccttgaact cctgagctca agcaatcctc ctaagtagct gggactacag   120
gtgtgagcca ccatgcccag ctaattattt tgattttttt gtagagacag gggcctccct   180
atgttgccca gactggtctc aaactcctgg gctcaagtga tcctcccgcc aggccggaac   240
tcagactttg gtctctgctc ctcccatgtc acccatcttc ccgaggaagt gacctaccat   300
tgggtgtgat gtgacagaag gaagaaaaat gtctcaccag agatccagcc agccacaaat   360
tcctccaccg gcattgtctg ggcttgcggg aacaggcctg gctgttctct tcaggttgt   420
ttacgactcc cccgactccc ccgtgtgagt cagaaacaca gccttcctcg gcttcctcct   480
tcccagggga aagataaggg ttttgattat ttaaagtgcg tgttgatctg caatggcacc   540
attctgctca gtcaaaacac gaaa   564

<210> 202
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (816)...(33)
<223> similar to gi1263289 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 202
cacccacgcg tccggtgaac atgaacctca tggatgcctc cgtgcctctc cctggcccctt   60
gggctgctgg agagtgtgac cttgagcagc ccagccctgg gccagctggt caagagcgag   120
gtgcccctgg ataggctgct ggtgcaccta caggtgatga accagcagct gcaaaccaag   180
gccatggccc tgctgacagc cttgctgcag ggggccagcc ctgtggaacg caagcacatg   240
cttgactatc tttggcagag gaaccttcgc cagttcatct ataagaacat catccacagt   300
gcagcaccaa tgggcgacga gatggctcat cacctgtacg tactgcaggc tctcatgctg   360
gggctgctgg agccgcgcat gcggacgccc ctggacccct acagccagga gcagcgggag   420
cagctgcagg tcctacgcca ggctgccttc gaggtggagg gggagtcctc gggtgccggg   480
ctaagtgctg accgtcgccg ttccctctgt gcccgagagt tccgcaaact gggctttttct   540

```
aacagcaacc cagcacagga cctggagcgc gtgccccccg gtactgctgg ccctggacaa      600
catgttgtac ttctccagaa acgcgcccag cgcgtacagc cggtttgtgt tggagaacag      660
cagccgcgag gacaagcacg agtgcccctt tgcccggggc agcatccagc tgacggtgct      720
gctgtgtgag ctgctccgtg ttggggagcc ctgctctgag acagcccagg acttctcacc      780
catgttcttc ggccaagacc agagcttnca cgagct                                816
```

<210> 203
<211> 1682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (215)...(1669)
<223> similar to gi4240291 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 203
```
cggacgcgtg ggtgtagcct gggatgtcct gccaggttgg gatgggaaac gctgactacg       60
tggctgcctt cctgcacctg ctgctcccac tggcctttga ggtgactgca cggagggctc      120
ccccagggca gccgggtggg aggggggacct tgtgcctgga gtgcgccagt gaaggcagga      180
ggagggttat gagctgtccc actcctgtgt ggctggggaa ggtgctcagg aggggatggg      240
atgggcctgg ctcgccctca cctgggctcc agccctctc tgtcgaccct ccccactccg      300
gcctggcctg tagtttgacc ctgagctggt gctggtctcg gcaggatttg actcagccat      360
cggggaccct gaggggcaaa tgcaggccac gccagagtgc ttcgcccacc tcacacagct      420
gctgcaggtg ctggccggcg gccgggtctg tgccgtgctg gagggcggct accacctgga      480
gtcactggcg gagtcagtgt gcatgacagt acagacgctg ctgggtgacc cggccccacc      540
cctgtcaggg ccaatggcgc catgtcagag tgccctagag tccatccaga gtgcccgtgc      600
tgcccaggcc ccgcactgga agagcctcca gcagcaagat gtgaccgctg tgccgatgag      660
ccccagcagc cactccccag aggggaggcc tccacctctg ctgcctgggg gtccagtgtg      720
taaggcagct gcatctgcac cgagctccct cctggaccag ccgtgcctct gccccgcacc      780
ctctgtccgc accgctgttg ccctgacaac gccggatatc acattggttc tgccccctga      840
cgtcatccaa caggaagcgt cagccctgag ggaggagaca gaagcctggg ccaggccaca      900
cgagtccctg gcccgggagg aggccctcac tgcacttggg aagctcctgt acctcttaga      960
tgggatgctg gatgggcagg tgaacagtgg tatagcagcc actccagcct ctgctgcagc     1020
agccacccctg gatgtggctg ttcggagagg cctgtcccac ggagcccaga ggctgctgtg     1080
cgtggccctg ggacagctgg accggcctcc agacctcgcc catgacggga ggagtctgtg     1140
gctgaacatc aggggcaagg aggcggctgc cctatccatg ttccatgtct ccacgccact     1200
gccagtgatg accggtggtt tcctgagctg catcttgggc ttggtgctgc ccctggccta     1260
tggcttccag cctgacctgg tgctggtggc gctgggcct ggccatggcc tgcagggccc     1320
ccacgctgca ctcctggctg caatgcttcg ggggctggca gggggccgag tcctggccct     1380
cctggaggag aactccacac cccagctagc agggatcctg gcccgggtgc tgaatggaga     1440
ggcacctcct agcctaggcc cttcctctgt ggcctcccca gaggacgtcc aggccctgat     1500
gtacctgaga gggcagctgg agcctcagtg gaagatgttg cagtgccatc ctcacctggt     1560
ggcttgaaat cggccaaggt gggagcattt acaccgcaga aatgacaccg cacgccagcg     1620
ccccgcggcc gcgatccgga ccccaagccc acggctccct cgactctggg gcacggaacc     1680
cc                                                                    1682
```

114

<210> 204
<211> 1798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1799)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (106)...(1743)
<223> similar to gi3044185 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 204
```
gcacgagagc tcgtggccat gatcgtgaac cacctcaaga gccaggggct cttcgaccag      60
ttccgcagag actgcctggc cgacgtggac accaagcctg cgtatcagaa tctgagacag     120
cgtgttgaca actttgttgc aaatcacttg gcaactcaca catggagtcc gcatctcaat     180
aagaaccagc taagaaacaa cattagacaa caagtcctca aatcaggaat gttggagtct     240
ggtattgacc gaattatttc tcaggttgtg gacccaaaga tcaaccacac attcagacct     300
caggtagaga aagctgtgca tgagtttttg gccacgctaa atcacaaaga ggaaggaagt     360
ggcaacacag ctcccgatga tgagaaacca gacacttccc ttattacaca aggtgttcct     420
actcctgggc ccagtgctaa tgtagccaat gatgccatgt cgatattgga aaccataact     480
tctcttaacc aagaagccag tgctgctagg gcttcaacag aaacatcaaa tgccaagacc     540
agtgagagag cgtcaaaaaa acttccatct cagccaacca ctgatactag tactgacaaa     600
gaaagaactt cagaggacat ggctgataaa gaaaaatcta cagctgactc tggaggtgaa     660
ggactggaaa cagcccccaaa gtctgaagag ttcagcgacc tccctgtcc agtcgaagaa     720
attaaaaatt acacaaaaga gcataataat ttaattctgc taaataagga tgttcaacag     780
gaaagcagtg agcaaaaaaa taaatcaaca gacaaaggtg aaaagaagcc agccagcaat     840
gagaaaggag aaagaaagaa agaaaagaag gaaaagactg aaaagaaatt tgatcactca     900
aaaaagagtg aagatacaca gaaagttaaa gatgaaaaac aagcaaagga aaaagaagta     960
gagagtttaa aacttccttc agaaaagaac agtaataaag ctaaaactgt tgaagggaca    1020
aaagaagatt tctctttgat agattctgat gtggatggac ttacagacat cacagttagc    1080
tctgttcata ccagtgacct ttcatctttt gaagaagata ctgaggagga agttgtaacg    1140
tctgatagca tggaagaagg agagattacg tcagatgatg aagagaagaa caaacagaat    1200
aaaacaaaaa ctcaaactag tgattctagt gaaggaaaaa caaaaagtgt acggccatgc    1260
gtatgtccac aaaccatatc tttactcaaa atactatagt gattctgatg atgagcttac    1320
tgtagaacaa cgacgacagt ccattgccaa agaaaaagaa gagaggcttt taagaaggca    1380
aatcaataga gaaaaacttg aagaaaaacg aaaacagaaa gcagaaaaga caaagtcttc    1440
aaaaaccaag ggtcaaggca ggagtagtgt ggacttagaa gaatcatcaa caaagagttt    1500
ggaacctaaa gccgccagaa ttaaagaagt ccttaaagaa cggaaagttt tagaaaaaaa    1560
agtagcctta agcaaaaaga gaaaaaaaga ttcaaggaat gttgaagaga actccaaaaa    1620
gaaacagcaa tatgaagaag attccaaaga aacccttaaa acaagtgagc attgtgaaaa    1680
ggaaaaaatt tcttcttcaa aggagctgaa gcatgttcat gcaaaaagtg aaccaagtaa    1740
acctgcccgg agactttcac acccttttgca tgtagttgnc gaaaacaaaa atgaatcc    1798
```

<210> 205
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> similar to gi2204213 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 205
ctcacaaaat gggatctctt tggtaattgc tacagattat tgaagactgg aattgaacat   60
ggagccatgc cagaacaggt aggagtttat tggtattcct tctgtatgac tctagaaagt   120
tgtttttctg aagtcatatg attatcagaa gccttttata gaaagtaatt gacgattcat   180
tagggcagct gcctcttttg agagaattat tgctgtagta attaaatgtt attgataggt   240
gtattatact ggcttatgtg ttaagagtag aaaaaacttt tgctataaca tatcttaaaa   300
attttactgt taaggtagac ttttctctat taggagaaat accattaata tctatggcag   360
caattttaaa actttggata atgaaaattg atgatgggta tattccagcc gtgttctagg   420
tattaatcat attaagtatg gcttagtttt tatattagaa ccatagttaa attaacatgg   480
cagcctttaa tagactttag aa   502

<210> 206
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (68)...(793)
<223> similar to gi1469243 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 206
tctttctttc tttctttctt tctctttctt tccttcagca ctggatctcg cttacagtag   60
gttttatttta ataattctcc tccttacact ttctgtctca ccagtttccc ctcaaactga   120
tttacctgct acataaaatt attcttattg ggcttatgtg ccttttcctc cacttattcg   180
acctctcacc tggatggatg ctcctgcaga aatctatact aacgatagtg tatatatgcc   240
tggagctaca gatgaccatt gccccactca accaggagaa gaaggcactg catttaatgt   300
tactatgggt tataaatacc ctcctctgtg cctcggacat gcaactcgtt gtatccatct   360
agaaactcaa gtctgggctg cttatcttct ggagagatta gctacaggaa aatggggaca   420
tttggtctcc ggcctctccc tttctccttt aagacaaatg aaagggggag taatgagaga   480

```
tacccccatac tttcaatata aacctgtagg aaaatcatgt cctaaaaatt ttgagggccc    540
atctaaaact ttaatttggg aagattgtgt taactcacat gtagtagtat taaaaaatgc    600
ctcatatggt ttagtaatag actgggcacc aaagggctat tttaaaaaac aattgctcct    660
ctggtggaag ggaatgcctg gaggctactt attttatttc tcattgggag gacaaggatc    720
atcatcctac tttgcatagg agggtcagct cattctttcc cttataatgg gaagataang    780
gcattacccc cac                                                       793
```

        <210> 207
        <211> 898
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(899)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (155)...(898)
        <223> similar to gi19867 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 207
```
ggcacgagga agtgggtgag gttggggtcc caccagagat gagggactcc tggaggaagt     60
gtggacattc ctggctaggg tgggagtccc aggagaggtg tgtcaaggct gggactcctg    120
aagtgaatgt ggatgtccct gtctgggatg gggacctggg aggcaggagc caagggctgg    180
ctacgtgcca tgtcacacag cagaggagct cctcatctgc catggctcat gtgggcagcc    240
cctgacacca cccttccatc tgccccactt ttcagcaccc tccagccctc cacttgcagc    300
acagtcccct gaggggcacc atggacacca agaaccagcc tccacatcct tcctacctaa    360
caggattcag gaggagtggg ggttgctggt tcggtcacag aaggacctgt attgggatgc    420
gatgctggag aagtacggca cagtggtctc cctgggtgag gaccagccag ccccacccccg    480
cccctctccc tggggcctgc acccaccctg cagcaggcct agctgggcag ggcctctgtg    540
ctaccagccc tacccagctc tcccaccttc cagaggaaca ccctgtcacc taccagaacc    600
gaccccaccc ctccttcatg caaacccccat gcctaactgt gcccccaccc cgggcagggt    660
taccgcccca ccagccagag gcacaggccc agtcagagct ggggatgctg ctcacggnga    720
caggcgtctg cagaagcctg cgctcgggga gtgccccaca ccatccagcc tgaatcaccc    780
ctcctgtatc gggggacctg agccacccac tcatggnggg acggagcttg gccacagcac    840
aagcctcaaa ggaggggtgt gagngccgga ctcacctgtt tgcccctgcc cccaggaa      898
```

        <210> 208
        <211> 1267
        <212> DNA
        <213> Homo sapiens

        <220>

<220>
<221> misc_feature
<222> (1270)...(631)
<223> similar to gi4056437 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 208
ttttttttt ttcagaaaca tatcgaaaac tttactagaa atatagagaa aaaaaaataa   60
ctgcctggga ggtttcctgt cccttcagga tggatgacca acagatgggg cacctaggtc   120
cagtggggct gctcccgatc tactgtttct tcctccagga gcaaggcatc tagctcctcc   180
agccgctgct ggagcagggg gcccacatca gggctggggg ccacattggg aggaacagtc   240
ctgccccctg cagcccggac cccacgggac ggtcttcgtg atcgaggaag gctgctgtcc   300
cgaaattcca cagcccgccg gagcttcctt gagctggtga aaatcagagt cccattgcgc   360
tcccgggggtt cctcaaagat ggtctcaaag gtcctcctgg ttgtgggtga ttggtaattc   420
ttgttggtgt aaatttcttc caagctgaac tccttcttgt tcaacctgat tggtcgaggc   480
agtcccattg gtgtaaggtt tagctgagga cgggctggtg ttctgcgtat tctgaatcga   540
gaaacctttc ccatggtctt ggtctcaggt tctgaaagca cctggtcctt tgaggctctt   600
ggctccttcc ctttggttga acccaacctg ggttctgctg gttcggagaa ggaagtggat   660
gccgtggacg agcaagatgt ggtgagagaa ggggaggctc ccactcctcc gagagggaag   720
acctctttcc ggagacaggg ccgagggggt ggcggggctc gggccatttc cccaccaccc   780
acagtgtgcc gccgcggccg tggtcggctt ggttgggggtg gagcaggtgg ccaggtgcag   840
gtacctgggc caggggggccc cagatcaggg caggagtagc ttcggcccag agagggctta   900
gggagaagtg ctggggtatt gtggtcctga gttcgccact ggcggattgg gggccggggg   960
ctgacagacg cagtgccctc agcagcccca gactgctcgg cctctgagat ggcgatcttc   1020
aactccagct tcattggggg ggacgggggt ggggggctgtg gggttttgtt gggcgtgagg   1080
aagatgtcag caaagctctc cagcttggag cggacggaac ggaagagcgg ggccaagccc   1140
cagggactga ggcgggggcg taaaaggctg gacggtggtg gggtggatgg gagctccaga   1200
gcaggatctg gggctgttgg tgggctctcc agagggtctg caggcagagc agatggctgg   1260
aatgggg   1267

<210> 209
<211> 2103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (872)...(2103)
<223> similar to gi2072948 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 209
ctaagatgct tttatttacc ccagttaata ccaccttacg gaaaataata tttgctaata   60
ttgtttattg tgaactagaa tcaaagtttt tgtatgcatc aatgcactta atccttataa   120
caaccttatg aggtagttct attccctttt tatagctaag gaaattgggg tacagagaag   180
ttagccccaa ggttatatat tgcaagtaag tggcagagca gggattcata caaagacctt   240
ctcactcagc agtcttcact cttactattc ctgccactag gtagaaaaag aaagatttcg   300
gccgggcaca gtggctcacg cctataattc ccagcacttt gggaggctga ggtgggcgga   360

118

```
tcacgaggtc aggagatgga gaccatcctg gctaacacag tgaaaccccg tctctactaa   420
aaataaaaaa taaaaaaaaa ttagccaggc gtggtggcgg gtgcctgtac gcccagctac   480
tcgggaggct gaggcgggag aatggcgtga acccaggagg aggagcttgc agtgtgccaa   540
gatcgcacca ctgcactcca gcctgggtga cagagcgaga ctccatcaaa aaaaaataaa   600
taaaaaaaaa ataaaagatt tcattttatg tgaggaatta ttttaataaa aaaaagaggg   660
tttatgctct atagtaataa aatttaccag taacacccaa tcagaaaatt ttggttcctt   720
agtatttagg gaagactttt gtttaaatct cttatggaat tttacatgtt ttgatttaga   780
aaagtagatg caatataata tatttcaagt tttatacata ttagatgaat tgcatggtat   840
tttaggcaac ttaactataa acaaatttat tcatagaagc attgttgcca acaatttaga   900
tgacctcgat gaaaaaacac accaattgac aaaactggct caaaaggaaa taaaaaatcc   960
aaacagacct gtaacaagta aagagattga accagtaatc aaaaatctcc caacaaagaa  1020
agtccaggat taaatgagtt tactggcaaa ctatgccaaa catataaaga agaattaaca  1080
ctaatccttc ttgaactctc ccaaaaaatg gaagagaaag gagcaccctg tgacattcta  1140
taaggcggac attaccttaa caccaaagcc agacaaagac ctcacaggga agctacagac  1200
caatatccct tatgaatata gatgcaaaaa aacttcaaaa tactagcagg ccaaatccag  1260
cagcttatta aaatgatcac acagcatgac caagtgagat ttatcaaaga aatgcaggga  1320
tggttctaca tacaaatgtc aatcgatgta ataatatacc atattaatag aatgaagggg  1380
aaaaaacagc atgatcacct caattgataa gaaaaagcat ttgacaaaaa tccaacaccc  1440
tttcatggta aaaacactct gcaaactagg aagaaaaggg aactttctta acctgataaa  1500
gacatccata aaaacccaca gctaacaaca taatagcaaa acattgaaaa tttttcccct  1560
aatatcatga aaattcctga tttccccact gctattcaac attatactag aaggtctagc  1620
cagagcaatt aggcaagaaa aagaaataaa atgaatccca aataggaaga agtaaaacta  1680
catttgcaga aaacatggtc ctatatatta aaaatcctaa agaatccaca aaatgattcc  1740
ggctgatttt aaaaattcag caatgttgca ggttgcaaga tcaacacaca aaagtctaag  1800
aaaaacctga ggggaaatta aaacaatttc atttacaata acatgaaaaa gaataaaata  1860
cttagaaata aatttgacca agaaagtgca agacttggac actgaaaagt acaaaacgtt  1920
gctgaaagaa attaaagaag acctaaataa atggaagaca tcctgtgctg gcaggttgga  1980
agacttaaca ttgttaagat ggcattactc ccaaaattag tctatagatt taatacaatc  2040
cccattaaaa ttccagtgac cctttttacag aaactgaaaa gctgacccta gaatttatat  2100
ggg                                                                 2103
```

<210> 210
<211> 1627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1448)...(15)
<223> similar to gi30058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 210
```
cttaggagcc ccccaccgag ggtggacaca gtccctttcc ttcctgcaga tgcctaggca    60
ggaggagggc ttcctgcctg tttggcaaag tcccaggcag aggccaagga tgaggcctga   120
ctcggctcct ccctccacat cagccagggc atcagaagtt gggccagggc ggggtcttcc   180
ctgctcgatt ttggacgagg cctaagtaga cccccctatgc cctgccccag ccctggctct   240
ttcctaaccc cctcaacggt gggaggaact ggcagagggt gcgcctggcc acagcctccc   300
cgcatctaaa ggccccttca gttcttgacc aaaggtgcta cgagaacctg ccgtggaaac   360
ttccagttgt gcgtctgccc cactcgctgt gtttgtccgt gggttcatac atgcattggg   420
```

119

```
tgctaggccc caggctgccg ggtggcaccc tttacagttc ctttgaacag gggcattgaa      480
ggcctggact gcctctcgcc tcagtaggcc tggggaccag gcttgggtct ggaggtttgc      540
tgtggaagtc accaggcctc ccctcctggc ccaggtgtgc tgggggcacc gtgcccccca      600
ccccctgcc ctcctcaggg tggtcagccc aacctgtcgg accttcactt cacatcatgg      660
tggggaccga gatagagagg gagaccccat tccaagctcc ctcttcctcc cggtgtttgg      720
ggaggatgct gaagaatcca ttcccgaggg cctcccggct tgtcccagcc cctcttttgc      780
ttctgaccac ggaggctttc tcacagccca gcctgcctga agcaaaggag gctcccgtgt      840
cctgggcagc ttctgtttcc ctctgctgcc tgggagctga ggcacccgtg ccagtggcag      900
aggccacagc cccagcctta ggccaggccc tgggagggca ggcaggcaaa ggggagacca      960
gagggtctgt gttctccagg agaatgaggg tgttggtccc agaattggga ccggggcccc     1020
gctggccagc cctgggccac ttcccgggtc tccattgtgc gtgggtggcg tgttccaggc     1080
gtggctggag ctggcttcct ggctgtgctg ccatgggccc ctccctcaaa agcacgttgg     1140
caggaggccg atcagaaccc tagcgccttt ggtcctaaga atgggaggct gccttccttc     1200
ccaatctccc tgccagggcc cacagcgtgg ccctagccct cccctccccg ggatgtagaa     1260
cggggaccct cgcagggttg gggcgggggc tgatactcct cggcccctcc ctaccctgcc     1320
ctgtgtgttg gctttgtggc cgtccaagtg ccaattggct tttcgcccaa ataagggctg     1380
gtatttctcc tctgtccttg gaggtgattt ccccctgacc ccctcccca ggtgagtgac      1440
cacctgggtg ccagttacag gtgtttccag agaccataga aatgtgtttt cctgagagtt     1500
cgtgtcattc gtgacttttt tgtaaagaag ttgtgttttc agaggtgatt ttatgacagg     1560
aaagtgaaag aattagtttt gcaaaaaaac aaaaacaaaa aaagaggaaa aaaaaaaaa      1620
aggggggg                                                            1627




        <210> 211
        <211> 1100
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(797)
        <223> similar to gi4585574 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 211
cgtggagccc ggcgccttca acaacctctt caacctccgg acgctgggtc tccgcagcaa       60
ccgcctgaag ctcatcccgc taggcgtctt cactggcctc agcaacctga ccaagctgga      120
catcagcgag aacaagattg ttatcctgct ggactacatg tttcaggacc tgtacaacct      180
caagtcactg gaggttggcg acaatgacct cgtctacatc tctcaccgcg ccttcagcgg      240
cctcaacagc ctggagcagc tgacgctgga gaaatgcaac ctgacctcca tcccaccgα      300
ggcgctgtcc cacctgcacg gcctcatcgt cctgaggctc cggcacctca acatcaatgc      360
catccgggac tactccttca agaggctgta ccgactcaag gtcttgggag atctcccact      420
ggccctactt ggacaccatg acacccaact gcctctacgg cctcaacctg acgtccctgt      480
ccatcacaca ctgcaatctg accgctgtgc cctacctggc cgtccgccac ctagtctatc      540
tccgcttcct caacctctcc tacaacccca tcagcaccat tgagggctcc atgttgcatg      600
agctgctccg gctgcaggag atccagctgg tgggcgggca gctggccgtg gtggagccct      660
atgccttccg cggcctcaac tacctgcgcg tgctcaatgt ctctggcaac cagctgacca      720
cactggagga atcagtcttc cactcggtgg gcaacctgga gacactcatc ctggactcca      780
acccgctggc ctgcgactgt cggctcctgt gggtgttccg gcgccgctgg cggctcaact      840
tcaaccggca gcagcccacg tgcgccacgc ccgagtttgt ccagggcaag gagttcaagg      900
acttccctga tgtgctactg cccaactact tcacctgccg ccgcgcccgc atccgggacc      960
```

                                    120

```
gcaaggccca gcaggtgttt gtggacgagg gccacacggt gcagtttgtg tgccgggccg      1020
atggcgaccc gccgcccgcc atcctctggc tctcaccccg aaagcacctg gtctcagcca      1080
agagcaatgg gcggctcaca                                                  1100
```

<210> 212
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(739)
<223> similar to gi5262557 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 212
```
tcgctgaaga aaaaccgttt gaagtttaga aatgcaggaa atccttcaac cagcttgaat       60
cactgaatat gcatttgaga aatcacatta gattgaaacc ctacgaatgc agtatatgtg      120
ggaaagcctt tagtcatagg tcgtccctgc ttcaacatca cagtattcat actggagaga      180
aaccttacga atgtattaaa tgtgggaaga ccttcagctg tagttcaaac cttactgtac      240
atcagagaat tcatactgga gaaaagccat ataaatgtag tgagtgtggg aaagctttta      300
gcaaaggctc gaatcttact gcccatcaaa gagtacataa tggagagaaa cccaatagtg      360
tggtaagtgt ggaaaagcct ttagatcata tgaatcccta tacatgtgag aaatcttaca      420
gaagagaagc agtgtttatc acggtaaact tcattcatag atcctccctt atttaacatc      480
agaaaaatgt atactgggga aaagttgtat gaaggtggtg aacatgggag acttttagca      540
atgatgcaga ttttttttatt agagtttata ctgtagagaa atcatatgaa gtcaataaat      600
gtgggaaagc ctttgtcagt attaatccct taattgacct aagtatactc acactaggaa      660
aaatctgtgt acctgtagga gtttgcagga gattcctatt gcctatagtc tttcccacat      720
atgctacatg tagtcgacg                                                   739
```

<210> 213
<211> 1905
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (506)...(1905)
<223> similar to gi3135968 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 213
```
gcggccgctg cttcaggtcg gcgggctcca gggagacctg ggtgggcagc gtcgccgttt       60
```

```
ctcctttctt gggcagtatt tttcccagcg ccacgcggag gctgggccat tatgagctct    120
gcatttccag gacctggtca ctattcagga cacggttcca gcgcagtgcg cgttagccat    180
gtctcaggga tgagtgacat tccaagatgt ggccattgac ttctccaagg aagagtgggg    240
attcctgaac cctgctcaga gagatttgta cacaactgtg atgctggaga attatcagaa    300
cctggtctgg ctgggacttt ccatttctaa atctgtgatt tcactgttgg agaaaaggaa    360
actgccttgg ataatggcaa aagaagagat aagaggccca ttgccagatg tgccaggtgc    420
agagattaag gagttatctg caaagagggc tattaatgaa gtattatcgt agtttgacac    480
agtgataaaa tgtacaagaa acgtatgtaa ggaatgtgga aatctatact gccacaatat    540
gcagcttact ctccataaga gaaatcatac acaaaagaaa tgcaatcagt gtttagattg    600
tgggaaatac ttcactcgtc aatcaactct cattcagcat caaagaatcc acacgggaga    660
gagaccctat aaatgtaacg aatgtattaa aaccttcaac cagagggcac accttaccta    720
gcatgagaga attcacactg gtgagaaacc ttacaaatgt aaggaatgca ggaaaacctt    780
cagccagatg actcatctca cacagcatca gactacacat acgagagaaa agttccatga    840
atgcagtgaa tgtggaaagg ccttcagccg tgtctcagct cttatagatc accagcgaat    900
tcatagtgga gaaaagccgt atgaatgtaa ggagtgtgga agagccttca ctcaaagtgc    960
ccagctcatt agacatcaga aaactcattc tggagaaaaa ccctatgagt gtagtaagtg   1020
taagaaatct tttgtgcacc tgtcttccct gattgaacat tggagaattc acactggaga   1080
aaaaccatat caatgtaagg actgcaaaaa gacctttgt cgtgtgatgc agttcactct   1140
gcacaggaga attcatactg gtgaaaaacc ctatgaatgc aaggaatgtg gaaagtcctt   1200
cagcgcccat tcttctcttg ttactcagaa gagaacacac agtggagaaa aaccgtataa   1260
atgcaaggaa tgtggaaaag ccttcagtgc gcactcttcc cttgttactc ataagagaac   1320
acacagtgga gagaaaccct atacatgcca tgcctgtggg aaggccttta atacttcctc   1380
cacactttgt caacataata gaattcatac tggtgaaaaa cccttttcagt gcagtcaatg   1440
cgggaagtcc tttagtcctt tagctgcagc tctcaccta ctcgacactg tagaatgtgt   1500
aatggaaaat ttagcaaata accaaaactc aaaatgttaa ttctgattat tctgtatcat   1560
caccagtact ttgtactttg agtcttttta aatatgctct gttagtttgt atggaatgat   1620
atttcattgc acttttaatt taacttaaaa atgccttccc ttgactgttg atatgtattt   1680
tttgtgaagt gtgtgttgaa gccttgcaga ttattttta aattagaggt ttatcactag   1740
gtatatctcc taatgctatc cctcccccct cccctaatg taaatgacga gttaatggtg   1800
cagcacacca acatggcaca tgtatacata tgtaacaaac ctgcacgttg tgcacatggt   1860
accctaaaac ttaaagtata attaaaaaaa aaaattagaa aaaaa                   1905
```

<210> 214
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(755)
<223> similar to gi1477470 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 214
```
ggcaagaata tgcgatacat tgccagtctt gtcaatgctg acaaattggc tggccgaact     60
cgcaaataca aagtgatctt cagccctcaa aagttctatg cgtgtgagat ggtgcttgag    120
gaagagggaa tctatggaga tgtgagctgt gatgaatggg ccttctcttt gctgcctctt    180
gatgtggatc tgctgagcat ggaactacca gaattttca gggattactt tctggaagga    240
gatcagcgtt ggatcaacac tgtagctcag gccttacacc ttctcagcac tctctatgga    300
cccttttccaa actgctatgg aattggcagg tgcgccaaga tggcatatga attgtggagg    360
```

122

```
aacctggagg aggaggagga tggcgaaacc aagggccgaa ggccagagat tggacatatc      420
tttctcttgg acagaggtaa attatgccca gcgttcctgt catctttcag ccctagaaga      480
cacgggaata tggaaggcgt ggtggcaaag ttaaaatcct aaagttaggg ctgtgaatcc      540
cagctttgag gagcgtgggt ccttggccct atggaaagta tcaaagctgc ccttggacat      600
gctgtgtaga aggctgggtc agggagaacc ttcatggtca gggatctctg tttcagatgt      660
ggactttgtg acagcacttt gctcccaagt ggtttatgag ggcctagtag atgacacctt      720
ccgcatcaag tgtggtaagt gctatggtcc tctgcatctt ggcaagatgg acgggtcatc      780
agccttggca cctgccacgt ggggcagggt ttgtgggaga gacccacacc ctgaatgaac      840
tgc                                                                    843
```

```
        <400> 215
ggggcgagac agctctggac atagccagga agaagcacca caaggagtgt gaggagctgc       60
tggagcaggc ccaggcgggg acctttgcct tccctctaca tgtggactac tcctgggtaa      120
tttccacaga gcctggctct gacagtgagg aggatgagga agagaagcgc tgcttgctga      180
agctcccggc ccaggctcac tgggccagtg ggaggctgga catcagcaac aagacctatg      240
agactgtcgc cagcctggga gcagccaccc ctcaggccg agagtgagga ctgtcccccg       300
cccttgccag tcaaaaactc ttctcggact ttggtccaag ggtgtgcaag acatgccagt      360
ggagatcgtt ctgaagtctc cagcctgagt tcagaggccc ctgagacccc tgagagcctg      420
ggcagtccag cctcctcctc cagtctgatg agccccttgg aacctgggga tcccagccaa      480
gccccaccca actctgaaga gggcctccga gagcccccag gcacctccag acccagcctg      540
acatccggga ccaccccttc ggagatgtac ctccccgtca gattcagctc cgagagcact      600
cgctcctatc ggcggggggc gcggagccct gaagatggtc cctcagccag gcagcctctg      660
cccaaaagga acgtgccggt tggcatcact gaaggagatg gctcaaggac tgggagtctc      720
ccagcaagtt ctgtgcaact tttgcaagac tagctccttg ctggcccca catgccccat      780
gctaggcccc aatgttcaga gctgggactt gaagctcaca aaactgggga gctgagacat      840
ttgttctctt ggaatctcac tctctctgtc cccttgtgcc tctgtaagct ggccttcttc      900
ctgccacagg ccatgcctct accaaggaca catggccttt cccttggtta aggggctgat      960
gggcgagttc ttttcctatc tcattacccg ctaggggccc tgggaagccc tgtggctgga     1020
tctaagtgct cct                                                        1033
```

```

123
```

<220>
<221> misc_feature
<222> (13)...(850)
<223> similar to gi5824110 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 216
cttcctgttg cagctgttcc aggagctctg agtcctttgg ccattccaaa tgctgctgca   60
gcagctgctg cagctgctgc tggccgagtg ggtatgcctg gagtctcagc tggtggcaat   120
acagtcctgt tggttagcaa tttaaatgaa gagatggtta cgccccaaag tctgtttacc   180
ctcttcggtg tttatggaga tgtgcagcgt gtgaagattt tatacaataa gaaagacagc   240
gctctaatac agatggctga tggaaaccaa tcacaacttg ccatgaatca tcttaatgga   300
cagaaaatgt atggaaaaat tattcgtgtt actctgtcta aacatcagac tgtacagcta   360
cctcgagagg gacttgatga tcaagggcta acaaagatt ttggtaattc cccattgcat   420
cgtttaaga aacctggatc caaaaatttt caaaacattt ttcctccttc tgccacccct   480
cacctatcta atatccctcc atcagtagca gaagaggatc tacgaacact gttcgctaac   540
actgggggca ctgtgaaagc atttaagttt tttcagtaag caagcttcct tatctttaaa   600
ttagtgacct gataaaattt ttaagtagtt tttgttcttt tcgtttatag aaatttttga   660
ttccggaatg gccaaaattc aagtatttaa taagccctttt ctaatttgta tgaagtatct   720
aattttataa ttttgtttca gaagagatca caaaatggct cttcttcaga tggcaacagt   780
ggaagaagct attcaggcct tgattgatct tcataattat aaccttggag aaaaccatca   840
tctgagag   848

        <210> 217
        <211> 1071
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(1072)
        <223> similar to gi1020145 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 217
tgcatgtgga aaagccttca gtgagaagtc acaccttatt gcacatcaga gaactcatac   60
tggggagaaa ccttatgatt gttctgaatg tggaaaaggc ttttctcaga aatcatccct   120
cattatacat cagagagttc acactgggga aaaaccatat gaatgtagtg aatgtgagaa   180
agccttctcc cagaaatcac ccctcattat acatcagaga atacatactg gggaaaagcc   240
ctatgaatgt agagtgtggg aaagcctttt cccagagtca cagctgatta tacatcacag   300
agctcatact ggagagaagc catgtaagtg tactgaatgt gggaaagcat tctgtttttat   360
acattaaaga gttcacactg gtgagaaacc ctacaaatgt gctcaatgtg aggaagcctt   420
cagcaggaag tcagaactca ttatacatca gataattcat actggggaga aaccgtatga   480
atgtacagaa tgtgggaaaa cattctctcg caagtcacaa ctcatcatac atcagagaac   540
ccacactggg agagaaaccc tataaatgta ccaaatgtgg aaaatccttc tgttcagcag   600
tcacatgctt cattgggaca tcagagaatt cacacgggag aacaacctta tgtatgttct   660
gaatgtggaa aagcctttgc taagaagtca caactcattg ttcatcaaag aattcatact   720

                            124

```
ggaaagaaac catatgattg tggggcatgc ggaaaagcct tcagtgagaa gtttcatctt      780
gttgtacatc agagaactca tactgggggag aaaccttatg attgttctga atgtggaaaa      840
gccttctctc agaaatcgtc ccttattata catcagagag ttcacactgg ggaaaaaccc      900
tatgaatgta gtgaatgcgg gaaagccttc tcccagaaat cacccctcat tatacatcag      960
agaatacata ctggggaaaa accctatgaa tgtacagagg gtgggaaggc cttttcccag     1020
aagtcacagc tgattataca ccacagagct catactggag agaagccgta t             1071
```

```
      <400> 218
gcataaaaca tctttagatg actacgccaa gcttggcacg aggcctcgtg ccataatgta       60
tggctgcgac ttggggctgg aagggcgcct cctccgcggg tatgaacagc acgccaacga      120
tggcaaggat tacatagccc ggaactagga cctgcgctcc tggaccgcgg cggacatggc      180
ggctcagatc accaagcgca agtgggaggc agaagaattt gcagagcaga tcaggggccta      240
cctggagggc acgtgcgtgg agaggctcgc agacacctgg agaacgggaa ggagacgctg      300
cagctcacgg gtaccaggga acacaagacg cctccctgat cgcctgtaga tctcctgggc      360
tggcttccca caaagagaga aggaaaatgg gaccaacact ataatatcgc cctccctctg      420
gtcctgaggg agaagaatcc tcctgggttt ccagagagtg actctgaggg tccgccgtgc      480
tctctgacac aattaaggga tgaaatctct gaggaaatga agggaagaca atccctggaa      540
tactgatgag tggttcccctt tgacactggc agcagccttg ggccccgtga cttttcctct      600
caggccttgt tctctgcttc acactcaatg tgcctggggg tctgagtcca gctcttctga      660
gtccctcagc ctccactcag gtcaggacca gaagtcgctg ttccctcctc agggactaga      720
attttccacg gaataggaga ttatcccagg tacctctgtc caggttggtg tctgggttct      780
gtgctccctt ccccacccca aggtgtcctg tccattctca ggatggccac atgcgtgctg      840
ctggagtgtc tcatgagaga tgcaaagtgc ctgaatttttc tgactcttcc tgttagaccc      900
cccccgcaag acacatatga tccaccattc cgtctctgac tataaggcca ccctgagctg      960
ctgggccctg gggcttctac cctgtggaga tcacactgaa gctggcagca agatggagan     1020
gaccagaatc gggaaatgga agctttttaa agaccaaggg ctttcagggg atgggaactt     1080
tca                                                                   1083
```

```
      <210> 219
      <211> 920
```

125

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (238)...(918)
<223> similar to gi5917664 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 219
ctgacttgcc caaagtgaca cagctgggca gaagtgagat tcaaacctag gccaagggct   60
ccagagtccc agatcttagc tattttgtcg ctaaagtctc ttgaaagcta tttaaacaag   120
gactacgata tagcccttgt tcctcttcac ctcctaccac cctctgactc attcactcca   180
ctatagctcc tgaccttcag tctattccct gaaaatgaca agctggttct cacctcaggg   240
tctttgcact cttctccctt ctcttctata tttgttgagt gaatgcggct ccctctgact   300
cctaaacctg cacttcccct gcctccaatc accacctcct atggtgcatc cctactgatt   360
ttccacttcc cgacctctcc ttccctccct ctgcccagaa cccggctcca ttctcatgca   420
taagtcccac cctttgccac taagtcctgc ccctaactca aggacagccc atccccaaac   480
ccattccaga gctctctcca gccagatcag ccccagggtc ccgagcttcc attcagtgtt   540
ccctctagcc cataagcccg actcctgcca ttcatgcagt cagccccgcc ccttcactca   600
ggctccgccc agatccatta aggcccacct cttccctcag ggcctccctg aacccctcag   660
ggaccagctc cctcaaatcc cgccccagat ctatttaacc cacgcaccag gaccctcagg   720
gttccaccta aatcgattaa ggttcagcct cagacccact aaacccctcc cagcatccac   780
ttaggtcctg cctccatcac accagacccc gccccctgat ctacaaagcc ccgcccattc   840
ccacaggccg catcctccct gggcccagac ccaggacccc agcttcgtcc accaccctca   900
ccgtaggtct cagccatgac   920

        <210> 220
        <211> 411
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(283)
        <223> similar to gi3002527 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 220
tttttttttt ttcctgagat ggagctttgc tgttgttgcc caggctgtta gtgcaatggc   60
acaatctcag ctcactgcct tttgggttca agcaattctc ctgcctcagc ctcccaggtg   120
gctgggactg caggcgcccg ccactacgcc cggctgattt tttgtatttt tggtggagac   180
ggggtttcgc cgtgttcgcc.aggatggtct ccatctcttg acctcgtgat ctgcctgcct   240
cagcctccca gtgctgggat tacaggcgtg agccaccgcg cctggccaaa atatataacc   300
ttaagtgtca tcaatactct ggctgaccat catcatcgtg ggactgactt tggtggaagt   360
ccttggttac atgtcattat tgcatttccg acaagttata aagttgtcat t   411

126

<210> 221
<211> 2058
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (72)...(2034)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 221
gtgaaaggag cctccacggc tgtcctcagg caaggtggag gggtgtggcg ggtgctgttg   60
gggtgctcct acccgctcag ccccagcctt gatgagggac tgcatcgtac agcttcgggg   120
gacctccgca gtttccctga cccggtgctg cccctgaacg tgcctcacag gtccggcagg   180
ttcggctatt ccaggacgag gagatctaca gcgacctgta cctgaccgta tgcgagtggc   240
ccagcgacgc ctccaaggtc atcgtcttcg gcttcaacac ccgctcggcc aacgggatgc   300
tcatgaacat gatgatgatg agtgacgaga accaccgtga catctacgtc agcaccgtgg   360
ccgtgccacc gccaggccgc tgtgctgctt gccaggatgc cagccgagcc cacccaggag   420
acccgaatgc acagtgccta cggcatggct tcatgctgca caccaagtac caggtggtct   480
accccttccc caccttccag cccgccttcc agctcaagaa ggaccaggtg gtgctgctca   540
acaccagcta ctccctggtg gcctgcgccg tctccgtcca ctcggcaggt gacaggagtt   600
tctgccaaat cctgtatgac cacagcacct gcccccctggc gcctgccagc ccccctgagc   660
cccagagccc agagctgccc cctgccctcc ccagcttctg ccctgaggcg gccccagccc   720
gttcttctgg gtctcctgag ccctcgcccg ccattgccaa agccaaggag tttgtggctg   780
acatcttccg ccgggccaaa gaggccaagg gcggggtccc tgaggaagcc cggcctgccc   840
tgtgcccagg accctctggc agccgctgcc gtgcgcactc tgagccccta gccctgtgtg   900
gagagacggc accccgggac agcccccctg cctcggaggc acctgcctcc gagcctggct   960
atgtcaacta caccaagctg tactatgtgc tggagtccgg agaggggacg gagccggagg   1020
atgagttgga ggacgacaag atctccctgc ccttcgtggg gactgatctt cgtggccgca   1080
acctgcggcc catgcgggag cggactgctg tccagggcca gtacctgaca gtggagcagc   1140
tcacactaga cttcgaatat gttatcaatg aggtcatccg ccacgacgct acctggggcc   1200
atcagttctg ttctttcagc gactatgaca tcgtcattct ggaggtctgc ccagaaacca   1260
accaggtcct catcaacatt ggcctgctgc tcctggcctt cccgtccccc actgaggagg   1320
gccagctccg accaaagacc tatcacacca gcctcaaggt ggcatgggac ctcaacacag   1380
ggatcttcga gacagtcagt gtaggcgacc tgactgaggt caaagggcag accagcggca   1440
gtgtctggag ctcctaccgc aagagctgcg tggacatggt catgaagtgg ctggtgccgg   1500
agagcagcgg ccgctacgtc aacaggatga ccaatgaggc gctgcacaaa gggtgctccc   1560
tgaaggttct ggcggacagc gagcgatata cgtggatcgt gctgtgaggg ccaggccgcc   1620
ccggacactg actccaacta cctccgtggc ctgggaccgg ccgccttcct ggggtggcct   1680
cttcctggcc ggctggccca ccgactgatg accggcacta gtgttagcct gcggaacggg   1740
gctgggcagg gcacgcctct gatggcctga gggtctggac gctttttatt tatgcctata   1800
taagttggga aggggcagag agaggggcgc cccctgcccc accagcttga gtgccccgcc   1860
ttcaccccga gctgggcatg ggcctggccc ctcgtgcatt tgccccttttt ctcggctaca   1920
gctgtggacg ttgccctcgg ggaggtcgaa tggaccccat tccccctgcc ctgcccgccc   1980
ccagcctccc cacaccaggc cggcaacctg gccatcccca ttccgttctt cttcatgtaa   2040
taaatgtttt aatttctg   2058

```
<210> 222
<211> 2109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(1707)
<223> similar to gi65234 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 222
      gcaatggtga agccattggg cgggatcgcc gggggcgcag ggcccggagg aacaacagtg      60
      gagaagcagg cggggcagcc acacaggagc tcttctgctc agcctgtgac cagctctttc     120
      tctcacccca ccagctacag cagcacctgc ggagtcaccg ggagggcgtc tttaagtgcc     180
      ccctgtgcag tcgtgtcttc cctagccctt ccagtctgga ccagcacctt ggagaccata     240
      gcagcgagtc acacttcctg tgtgtagact gtggcctggc cttcggcaca gaggccctcc     300
      tcctggccca ccggcgagcc cacaccccga atcctctgca ttcatgtcca tgtgggaaga     360
      cctttgtcaa ccttaccaag ttcctttatc accggcgtac tcatggggta gggggtgtcc     420
      ctctgcccac aacaccagtc ccaccagagg aacctgtcat tggtttccct gagccagccc     480
      cagcagagac tggagagcca gaggcccctg agcccctgt gtctgaggag acctcagcag      540
      ggcccgctgc cccaggcacc taccgctgcc tcctgtgcag ccgtgaattt ggaaaggcct     600
      tgcagctgac ccggcaccaa cgttttgtgc atcggctgga gcggcgccat aaatgcagca     660
      tttgtggcaa gatgttcaag aagaagtctc acgtgcgtaa ccacctgcgc acacacacag     720
      gggagcggcc cttcccctgc cctgactgct ccaagccctt caactcacct gccaacctgg     780
      cccgccaccg gctcacacac acaggagagc ggccctaccg gtgtgggac tgtggcaagg      840
      cttcacgca aagctccaca ctgaggcagc accgcttggt gcatgcccag cacttcccct     900
      accgctgcca ggaatgtggg gtgcgttttc accgtcctta ccgcctgctc atgcaccgct     960
      accatcacac aggtgaatac ccctacaagt gtcgcgagtg cccccgctcc ttcttgctgc    1020
      gtcggctgct ggaggtgcac cagctcgtgg tccatgccgg gcgccagccc caccgctgcc    1080
      catcctgtgg ggctgccttc ccctcctcac tgcggctccg ggagcaccgc tgtgcagccg    1140
      ctgctgccca ggccccacgg cgctttgagt gtggcacctg tggcaagaaa gtgggctcag    1200
      ctgctcgact gcaggcacac gaggcggccc atgcagctgc tgggcctgga gaggtcctgg    1260
      ctaaggagcc ccctgcccct cgagccccac gggccactcg tgcaccagtt gcctctccag    1320
      cagcccttgg aagcactgct acagcatccc ctgcggcccc tgcccgccgc cggggtctag    1380
      agtgcagcga gtgcaagaag ctgttcagca cagagacgtc actgcaggtg caccggcgca    1440
      tccacacagg tgagcggcca tacccatgtc cagactgtgg caaagcgttc cgtcagagta    1500
      cccacctgaa agaccaccgg cgcctgcaca caggtgagcg gccctttgcc tgtgaagtgt    1560
      gtggcaaggc ctttgccatc tccatgcgcc tggcagaaca tcgccgcatc cacacaggcg    1620
      aacgacccta ctcctgccct gactgtggca agagctaccg ctccttctcc aacctctgga    1680
      agcaccgcaa gacccatcag cagcagcatc aggcagctgt gcggcagcag ctggcagagg    1740
      cggaggctgc cgttggcctg gccgtcatgg agactgctgt ggaggcgcta ccctggtgg     1800
      aagccattga gatctaccct ctggccgagg ctgagggggt ccagatcagt ggctgactct    1860
      gcccgacttc ctctttggca cctccattcc ctgttgctga aggccctcca gcatcccctt    1920
      aagcatctgt acatactgtg tcccttcctc ttcccatccc caccaccttg taagttctaa    1980
      attggattta ttctctcgtg aggggggtgc tctggggtcc ttgacacaca taaaggtgcc    2040
      cccccacctt ccacctctta gcactggtga ccccaaaaat gaaaccatca ataaagactg    2100
      agttgccaa                                                           2109
```

128

<210> 223
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> similar to gi3002527 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 223
```
tttttttttt ttaagatggg gtctcgctct gtcacccagg ctggagtgca gtggtgtgat       60
gtcagctcac tgcaagctcc gcctcccagg ttcacactat tctgcctcag cctcccaagt      120
agctgggact acaggtgcgt gccaccatgc ccggctaatt tttttgtatt tttagtagag      180
acggggtttc accgtgttag ccagtatggt cttgatctcc tgacctcgtg atccacctgc      240
ctcggcctcc caaaagtgct gggattacag gtgtgagctg ctgcgcctgg cttatgagtc      300
gtatgttctg atcctccctc ttgaagttgc cttctgtggt ctaaggaggg cctgaaggtt      360
caggtaaaaa cttcagggtg accttcactg ggggtg                                396
```


<210> 224
<211> 2187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1147)...(1901)
<223> similar to gi2981463 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 224
```
gtggtggaat tcccggccac ggtggaacac ccatgtaccc atccctccgc cccacatggt       60
gttgggggct ctctcaccag aagctgagcc caacacaccc aggccccaac agagcccccc      120
tggccacacg tcccagtcag cgctcagcct gggagcacag agcactgtgc tggactgtgg      180
gccacggctg cctgtagaag tggggccatc tctgtcctcc cccagctcgg gctgcggggga      240
ggggagcatc agcgtggggg agaacgtgtc agacgtggct cccacccaac catggtggcc      300
caacaccccg ggagacagtg tctctgaaga actaggtcag agtagggtgg ctggtggtca      360
ggagtgggac tgtgggacgc acagagcctg ggaggtaggc gggcagtggg gttggtggca      420
tgtgaagttc ccctcaggcc tcctcgtcag ccaggacctg ggctgctgtg ggggacatgg      480
gaggggctgc ttgagccagg gccggctcgg ctccgtaccc gccacaggca ctcggccctg      540
atgccctcgt gtccacttgt gtccacacag gccctgggag gagcggggac gctgaggacc      600
tctctccaaa ttggcctctc aactcacagg aagacacagc tgcccagagc agcccaggcc      660
gtggtgagga ggcggaggca tcggcggcgg aggctcaggg tggggagcag gcctacctgg      720
caggcctggc agggcagtac cacttggagc ggtacccgga cagttacgag tccatgtgtg      780
agtgcagcag ttgctgctgg cagggagccc tgggctggct ggttcccagc acgtgctcca      840
```

129

```
cctcctgtgg gttggggcgg agccctgggc tagccagttc ccagcacgtg ctccatctcc      900
tgtggatggg ggcggagccc tgggctggcc ggttcccagc acgtgcgtgc tccatctccc      960
gcagccgagc cgcccattgc tcatctttg cgccccgtgc ttccccgggc cttcgccttc      1020
cccgtggacc cccaggtcca gtctgccgct gatgagactg ctgtgcagct gagcgagttg      1080
ctgacgctgc ccgtgctcat gaagcgctcc atcacggcac cgctggccgc ccacatctcc      1140
ttggtgaaca aggccgctgt cgactacttc ttcgtggagc tgcacctgga ggcgcactat      1200
gaggcactgc ggcacttcct gctgatggag gacggcgagt cgcccagtc cctcagcgac      1260
ctgctctttg agaagcttgg agctgggcaa acgcccggag agctgctcaa cccgctggtg      1320
ctgaactctg tgctgagcaa ggccctgcag tgcagcctgc atggggacac cccgcacgcc      1380
tccaacctct ccctcgctct caagtacctg cccgaggtgt ttgcccccaa cgccccggat      1440
gtgctgagct ggcctggagc tcaggtacaa ggtggactgg cctctcaaca ttgtcatcac      1500
cgagggctgc ctgagcaagt acagcggcgt cttctccttc ctgctgcagc tgaagctcat      1560
gatgtgggcg ctcaaggacg tctgcttcca cctcaagcgc acagccctgc tgagccacat      1620
ggccggctct gtgcagttcc gtcagctgca gctgttcaag cacgagatgc agcatttcgt      1680
gaaggtcatc cagggctaca tcgccaacca gatcctgcac gtcacctggt gcgagttcag      1740
ggccaggttg gccaccgtgg gcgacctgga ggagatccag cgtgcgcacg cagagtacct      1800
gcacaaggcc gtcttcaggg gcctgctcac ggagaaggcg cgcccgtca tgaacgtcat      1860
ccacagcatc ttcagcctcg tgctcaagtt ccgcagccag ctcatctccc aggcctgggg      1920
gcccctggg ggccgcgggg gtgcagagca ccccaacttt gcactcatgc agcagtccta      1980
caacaccttc aagtactact cccactttct cttcaaagtg gtgaccaagc tggtgaaccg      2040
cggctaccag ccccacctgg aggactttct gctgcgcatc aacttcaaca actactacca      2100
ggacgcctga ggctgctctg cgggggacgt gcacaataaa ggtgttctca aaaaaaacgc      2160
ggccgcgtcg accgcggccg cgtcgac                                         2187
```

          <400> 225
```
tttttttttt ttgtgcttgt tttattggaa gcaagactcc cagccagctg cagggctcag       60
gggaggaggc ctggagagtt cagtcctggg tctccctctg ggccagcagg gggaaaaggg      120
gtgttaaaag agctagaacc ctcagagatg ctcctctgaa gcagggaaa gaaaactaga      180
aaggaaaact gtcccagggc ggggagcgga atagggcccc cacatctcag actctcctac      240
cctcaagcag ttaattctca cccctgcct tcctctgtca acggtggggg tgattccaat      300
aactcttctc agcttccata cttcaggtgc tcttcgtgaa tgctgggtgg ctttaaccct      360
tgggggtccc aaacaagttt ccagaatccc actgtccacc attctccccc aaagaaggtc      420
ccagaaaagg tgaagttccg tgtcttcacg caacacgggc ataagcagca attatcgcac      480
gaagtttccc tagggtggtc ggggatcctc tcctgccact cctggggccc ctctcttgtc      540
gccttaaggt ccatgctacc tgtcttgagg agctgtgtcc aggttgtggg ctccggagga      600
ccgaggagtg aaaggctgga ggtacatctg aaggtggagg cgctggcgga agatcctgcc      660
ggactaggtg gcccacagtc cggagtttca ggccgtctga tcctcgtccg caacccctgg      720
ctcgggttgc gatcgcttcg cggagccttc tccagctgcg ggttcccta ggctcctctt      780
ggacgctggc gcggctggcg gggacgaggg accaggatgg ggattcgggg gctggtagcc      840
```

```
gggctgtcgc ggatccagcg cgtccttgga aagtaggatg gcgaggccgg gcacgttctt      900
aagtacgctg agactagcgg ccggctcgcc aggcgtctga ccctgcgtgg gcccaggcgg      960
gaggctctgc cacacctcgc gtacgctccg gtagcgcagc cgcgtgacct ggtgcaggcc     1020
cgccaggcgg cgcttgagga tctcggcgca cgtgacggtt ttggtggtgg cccggccgca     1080
gccgctgaag acgatggcgc gcgtggctgg ctgcgccatg ctggcggtgg cgaaggccat     1140
caggttccgg atcttgctgc cttccttgac ccgcatgtgc accgcgcccg cgccaggtc      1200
tgcgaacggg gccggagccc gggccgcctc cctcggcccc gcatccccgt ggcgcctctt     1260
cggagcgcac ttacggaagt tctccatgcg ccgtcgatcg cgggaccgcc ggtttgccat     1320
ggggcggcct cagccccggg gctgcatggc cgccggtcgc gccttgcaag ggccagcagg     1380
ggtaagggcg ccggagcagc gcagacgccg gcgggcgggc tggg                     1424
```

        <210> 226
        <211> 605
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (107)...(530)
        <223> similar to gi5360708 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 226
```
ggcacgaggg tggagggagg aaatagtaaa tgagcttctt atgcttcctg catatctgat       60
ttcatcctct tccattccct ccttccttat tttttttcttc tgctagattt ctaacgaccc      120
aagtccagga tacaacattg aacagatggc aaagcgaggc aagaagctgg ttgagctgcc      180
atacactgta aaggggatgg acgtctcatt ctcaggatc ctgtctttca ttgaggatgt       240
agcccatcgg atgctggcca caggcgagtg tactcctgag gatctgtgtt tctccctgca      300
ggtaatgcag taaaaaactg ggacagaaag ttggggctga aggttttata ttgtagagca      360
gaactaatct ggggatgccc ctctaatatt ttctccttat ctgtccctga caggaaactg      420
tggttttgca atgctggtag agatcacaga gcgagccatg gcacattggt gggtccccag      480
gagggccctc attgtgggga ggagttgggg tgtatgtatt attggaaagt gttcctcttt      540
cctattctta acactatgcg tcttcctcct ggtactctaa atcattaagc gtttggagta      600
ggctt                                                                  605
```

        <210> 227
        <211> 822
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(824)
        <223> similar to gi1196433 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 227
```
ctcaatattg ttaatatgta attctcccta aattgatcta cagattcaat ataatcccaa        60
ttgaaatcca agcaagcttt ttttaaaaat agaaattaac aatctgattg taaaatgtat       120
gtgaaaacac aaaagaccta tgaacaaagt tggataactt acactgtgca atttcaatac       180
ttaactaaaa agctacaata atcaagacat ggaatcggcc aacatacaat catatagtcc       240
agtgggagag catatggaaa gtctacatat agacacatat ggtcaattga ttgttggcac       300
aagtgccaag ataattctat gggaaaggac aatctttttca actaatcata ctgggactat       360
tggatatcca tatagaagaa aagaacctca aaccttattt cacctataca caagattgaa       420
tccaatggat cataaaccta aatgtaaaca gtaaagcttt gtttagaaga aaacaaagaa       480
aaactcttca tgactgtggg ttaggcaaca gttttgtaga ggagacacag aaagcactaa       540
ccaactggat attatcaaac ttcaaatttt tgctcctcaa aatacaccac taagaaacta       600
aaaaggtaag ccacagactg gggaaaaata cctacactat ttgcaaaaaa taataatgac       660
aaaatatgtg aacatacaca taataaaaga agatacatgt ttggccaaat gcatgtgaaa       720
tggtggtcaa catcattagt catcagagaa atgcaaatta aagtacaatt gtatgcctcc       780
tagtagaatg gtgaaaatta gaaagactga tgattccagg tg                         822
```


<210> 228
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(927)
<223> similar to gi|118097 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 228
```
tccagtctgt ggaggactca aggtaaaccc ccctccttga gagccgcaaa tcccgccccg        60
cggctgcaaa ggggctgaat ttgcccccag atgggagagg aagtggcgcc agcctccttg       120
cagactggtg ctctgtgttc tgtgggaggg accggggggtc tcccggagag gggagctgga       180
gggcgcgccc tgtggctgcc accggaggaa ggggctgact tggggaggtg agttctggaa       240
ggcagggggct ctgggtctgg caggtcgggg tcaccagagc cccaatgccc agctgcttca       300
ctccgtgtcc cccacccctg aggatcaggt gagtgctgca cctctgttgg ctcgtgcctt       360
gcactggggt gccaagggct ggaggccctg ccgctggcct tgtcctcctt gggcctcacg       420
cccccttcgg gggtggccgg ttctccccat cacctctctg gggcagtcac accacctgtt       480
aagcatcaag ctaccacaga ggctccggcc acctgggctc caccagccca gccccctgg       540
gctccgtgtg cgctgggcct catccccatc tatgggagga aactgaagct caggaggctg       600
tgtggcttgc ggggtctctg ggttctgggc cccactgttc cccagtgaag cccttgtggg       660
aaggttccgg gagcaggtgg tgtcctcaga gcagcctcgc ctgctgaccc cactgggaga       720
ggcgccgtgc ctcgggcccc tggtgggagc tctgctggct cctgtctgaa cctcctcgca       780
gggccaaagg ctggcttggc ctgtgtttcc cctggcccag gcctcagccc ctgcgtcgga       840
ggtggggctg tgttgggccc attgtccccc gccctgggtg gcttcctctt gcacagcctg       900
gagcctgccc tgaccacagc ccagcagctc cctgtgaaca cctctttgtc ccttcactgt       960
cagctgtttc taaacccaga cactgtttgt aatagactgg aaataaaatg ttctttcctt      1020
aaaaaaa                                                                1027
```

<210> 229
<211> 1419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1411)
<223> similar to gi298642 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 229
tgggctccct ggattccaaa gctggaagtg accctggaga ccacttcacc tgttccctgg   60
cacctggagt tgcagggaca caccctgact gcagggcaaa gggagccggc cgggcatccc   120
tcaagaccca ggggcttggt cagcccctgc ccgagtggac acatccactc ccaggcctgc   180
aggagatggg gaggttccag gcgcccagga catccgcttt ggccactgag gccgattcct   240
tagcaaatcg gttctggttt ctctcatttc tataaaaaca ccaagactga aggaagccac   300
ggtgtgtttt aataaaacag tgtctcccag ttaagtggtg ggacaaacag gaaccaccgg   360
gtggatggtc ggccgtgccc acccgcctca ggctaacctc gaggacgctg gtctgattgt   420
ccctgtgtct ctcctgggca gttctgcctg gtgtctaacc gtgggcctcc ctgctttgtt   480
cagccctccc cccacgtagg gtctggagag gcccctggtg tttgtcaccc acagggctcc   540
cttcagctct gcaatccggc gacaaagcca caaccacaga cggtctccgg gacccacagg   600
ccccagctgg tgggtggtgc tggctggccc cgggctcagc tgggtgtgcc tggcctgcag   660
agctgggcac agatggctgt tctgaaggtc gggggtgtct gggccccttg ctgtcccctc   720
ggcttctaca cctgaagccg cccctgatga ggggtccttc cctggggcct ctccagactc   780
acggggctgg gtaggggggt cagacctggg ctcagaggat ggcacctcac atcaaaggga   840
cccaccttga caaccagacc cttccctccc cgtggggttt cgaggtctgg attccccaca   900
agccataatc gcaaaaggct gggtttgcct cctccgagca gccccttgaa cacgggcagt   960
gtgtccccct cctcaagagg gtgcacacgg tgatggccgg gccaggccct agcagcagca   1020
ggagttcctg ctgggacgag ggaggggtct ttgggtgagc ctggggagcc tcaactgtta   1080
gcagtcgaat cctctttcta ataaaatctc acatggaccc aacacaggag acaggagggc   1140
tgtgctgact agtgtggcgg ggccgccgc tgtgccccca tgtccgatct cacgccacgg   1200
ggtccccctt ttcctagtta gccctcaggc agcagcccct tttggccccc atgattcacc   1260
aagcagcagg gccagggctc aggctgtctc ggagcccccg gagtgcttga gctctcctgg   1320
aagccctgcc cgtcctgccc gtcctgcccg tcagagccgc aggaggccgc gccagcaggt   1380
gagggccacg tgccgcaggt gcaggaccgg acgcgtggg   1419

<210> 230
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(893)
<223> similar to gi2317934 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

Run with FASTXY 3.3t00, default parameters

<400> 230

```
ttaatccctc tactccaaga aggctacctc atctcaaact cttgaaggca gtggaggaag      60
gttcagcatt acttagcatt tgggaccttc acagccagct gcaggggactt ggtggggctc     120
ccagagcttt cctcccccca ccagctgaaa cccaccctgc cacacctgcc cagaaattga     180
gttactgaca attcctgtac cacaaaggga gagcccttta caagagaaag acagacatgg     240
agctgatgag gccacgagct ccgccttcct cttctcggtc tgggcctgac tcctgccagg     300
ctttccaagg gaacagtggt tcctgtatcc caaggttgtg ccctgggcac tccaagggca     360
ctggacctgt ccgggcctcc ttggtgtaga gggatctcta gccactctgg tgtgccccag     420
gctctccatc cgggagacca aaggtcttag ggtaattcct gcctccggct ctattccatg     480
gggaccctgg tgctctgcaa agcctcgtga gctgaaaccc taggtcccag ggatccaaca     540
gaccgagtct cccattccag gatgagagtc cccttgacgc atgttcactc ttctggggac     600
cgtgcgccgc cgaccccggg ccctgggcgt tctatgacca cccctgtgag cacagggctc     660
tggacagccc aggtctcaat cccgagtgct gccaggcccc ggggccggga gcatcctgag     720
tttgccccac ggagacccccc acaagagcac cgagctctca attccagaaa cccagcgctc    780
caggcctccc attcccaggg tctccgtgta ccgaggcctc cctgccccga ggtctccggg     840
cccctgccga ggacccccagc cccgctcccg cccctgctca ccatgacgcc agcggacagg     900
cccagcggcg actccg                                                      916
```


<210> 231
<211> 1106
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (100)...(971)
<223> similar to gi995557 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 231

```
tttttttttt ttttgctcat gaagtggaca tgtccagcct ttattagata aagccactgg      60
gcccatctga ccaggcgagc tcagctgtaa acaagctcgc cagttagagg aagggccctc     120
aacagagcat gaccccgcaa gcctagggac tccgacatgc tgttggggct gctccccatg     180
ggtgtctcaa ctaggtaggt aaggggttgg ggtctctgca ggaccccccc gtctgggggt     240
gctccccttc ctttcctacc acagtgtgat gtttcatccg cagcccagtg gacatcgagg     300
gggtccccca agcctgcagg tccttgggcc aaggcagtgg cctcgtcccc ctgaaaacgc     360
gggtcgggtg gtttcaacaa aacctgcact catctttccc tcctcagcgc cttcccttct     420
ccagcccccca caagcccagg aactctgaca atgatgctga cacggggggtc actaactgga     480
agagcagtga acaggagctg ggggctcttg ggggccatct gagctgagga cagctggctg     540
tacctccgag gccacaggca cccccaccca ccctgcgcc tgcagggaat gtgcagaatc      600
tgccagagcg gaggccagag cccgcaggca gccacggctg ttagaggaag cagatgcagc     660
ctcaccccag cccacgtctg tcaccacagc cagggcctgg caggcaatgg cacccgcgca     720
gctttgggaa agaacacttg gcctcccaaa gggttctgcc accccctgggg gccgctacag    780
ccaccaaccc tggggtcttt ccatcacttc agacactgag cagaacccag agagggttag     840
tgagctgcag gtagggctgg gacggggggccc caggttccag cccagggtct cagagatcca     900
```

134

```
tggctggcac tgcccacagg gccaggcatg ggcggagcag ccttctcagc agcggggccc      960
agcggccaag cctctgtcac acagcaccct gtgccagcat gccccgtgct agggagatgc     1020
tttttaagcc ctctttaggg ggtatttccc gtctagtaag tgccagcagg cagacccact     1080
cttgacaggc tcctaatgtc cccgat                                          1106
```

<210> 232
<211> 1483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (806)...(324)
<223> similar to gi5918469 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
    <400> 232
tttttttttt ttggaaataa acaagcttta ttttcagttt caacaggtaa ggcgatacct       60
gcttcatcgt gtgcttttac gtaaatgcca aatagcaaaa taacagctag aaaataaaca      120
gtttgtcagt ttggagatca agtactttat ctatcttgag tgttatctgt cttggaattt      180
agccaggcct aaaagtagcg gaagtatcag gaaatgctat agagagccag tctccagctg      240
caggttggtg ggcctgggca ctgaccagat tggggtggct caaagcactg agcgatgcag      300
gcgccgtttc tgcattgcct gcagcctctt ctgcctctcg gcaaagttgt tcttcggggt      360
ctgcttcagt gcgggcagga tggcacgctc cgccacaggt gggctcaggc atttcttgga      420
gaggctcttg gtggagacct tggggaaatg cgtggcttct tggtccctgg gaaagctagc      480
ttcctccggg gctgcctggg gcctctggct cccttccagg agggacttga ggtgccgcag      540
ctcttgggtc tgcaggaggt tggtattcca cagctcgcgg atgagcactt cgcactgcct      600
aagtgtggtg ggctttcgca ggggaagggg caggatcatt ggggggtgtg ccgccgcccc      660
catctgcctg ccctggtgct ggctgttccc catacaggca gctcctgcgt tagaggcctc      720
tgctttctcc tttctggcct gcccttgtac cccaggaacc ttgtccagct tgctgttgtg      780
aagtaggggc tcctcttcca ggtccgcctt ctgggagacg tcagcttttg aatcttgctt      840
gttgaaggag ccgggctggg gcctggcctt gccttgagag ttggctgcaa gtcagaccct      900
acaaggccgg tcactgcagg caccaacagt caccgcccaa gttttccagg aacagctgtg      960
tgtacccaag aagcccctgt ccctgcctca gtttcctcct ctgtaaaggg aagcctgcct     1020
tggagggttc tgggggggcat caatgtggtt ctgagggtga agcccatggg tggtgcctgt     1080
gaacactcta gaacaatcaa catagtggaa gctggcccca tcttgggtaa aatgaaactg     1140
catgagaggc ttgggaccca gcctgcatgg gtttcctcgg caaggacaag gcccgtctag     1200
cacctgggcc catcacagga atggtggggg ttagggcagg gctgaggaaa atgcccggcc     1260
tcacagagtg gggaaaagag gctctctgct cccggctcac tctgcagaag gtgccatgag     1320
cccagggctc cgtgggcagt gccatccctc ctgtgtcctg cctgcttgtg gcaggacac     1380
ggccaagcag ggctgctgct gggcagccag ggtacatcct ccctagaaag ccacccgggg     1440
aggcccctcc tgcctgcttg ctgccccgcc ctggggtgcc tgc                       1483
```

<210> 233
<211> 939
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(940)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(464)
<223> similar to gi473935 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 233
ggtaaattac aacctcctca agtatatttg cagattcttg gatgaagtac agtcctactc   60
gggagttaac aaaatgagtg tgcagaactt ggcaacggtc tttggtccta atatcctgcg   120
ccccaaagtg gaagatcctt tgactatcat ggagggcact gtggtggtcc agcagttgat   180
gtcagtgatg attagcaaac atgattgcct ctttcccaaa gatgcagaac tacaaagcaa   240
gccccaagat ggagtgagca acaacaatga aattcagaag aaagccacca tggggcaggt   300
tacagaacaa ggagaacaat aacaccaagg acagccctag taggcagtgc tcctgggaca   360
agtctgagtc accccagaga agcagcatga acaatggatc ccccacagct ctatcaggca   420
gcaaaaccaa cagcccaaag aacagtgttc acaagctaga tgtgtctaga agccccctc   480
tcatggtcaa aaagaaccca gcctttaata agggtagtgg gatagttacc aatgggtcct   540
tcagcagcag taatgcagaa ggtcttgaga aaacccaaac cacccccaat gggagcctac   600
aggccagaag gagctcttca ctgaaggtat ctggtaccaa aatgggcacg cacagtgtac   660
agaatggaac ggtgcgcatg ggcattttga acagcgacac actcgggaac cccacaaatg   720
ttcgaaacat gagctggctg ccaaatggct atgtgaccct gagggataac aagcagaaag   780
aacaagctgg agagttaggc cagcacaaca gactgtccac ctatgataat gtccatcaac   840
agttctccat gatgaacctt gatgacaagc aganatttga cagtgctacc tggtccactt   900
cctcctgtga aatctccctc cctgagactc cactcctgt   939

<210> 234
<211> 896
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(897)
<223> similar to gi4960163 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 234
aacagtgaga tccacctttta ttgaaacatc acacggcagc atcagggctc ccacacctca   60
cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcctcacag   120
ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg   180
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcaggggcc tcacaggact   240

```
gcagggggggc tcacagggcc ctgtatgcag ggctgctggt acaaagaaga ggcccagaga    300
accctaacac agcctggggc cccggggaag tcagggcttc cagcagggca ggtacagagg    360
cccctaggac ttggcaggag cctcagcctt ggggacagtc ccacggaaga cgctgcatcc    420
gggctcttta gcagaggcct ctacccgtcc tggtcagagg agccctcaga cagttttggg    480
aaagccagac tggggtgtcg atgccgcagt gaggactcgt cctccaagtc tgagccctgc    540
tgggctgagg tgctctggaa gtctgcgtat gcatccctgg ggacgtccag cagctcctcc    600
tcgtactccg tctggtagtc agattcgtct ggcaccgagg gtagggctgc gtcagtcccc    660
tcccaaggaa gggaccgtac ccagcatagc cacactcaga ggcagaaccg gccacagatg    720
cccacccccg cctccaaggt ggcccggggc cctacacgca gccacctggt cccagggcag    780
ccctgcacac cacccctggt tctgtctggc tccagctttg ccccagcaca tcacttcgtg    840
ggtcttccac aaggacaagg agcgggcaga cactcctccc cttgtcagcc aagcac        896
```

```
<210> 235
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(460)
<223> similar to gi3192950 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 235
agttctcgag cgcccctccc aggagctccc ctcctcagtc caggttgtag cagcggtggc     60
tgctcccagc agcaccttct ctgttcgtgc caagcagacc tacccatact gtgcactgcc    120
caggtcccgg gcctcctccg agagtgaatt ggatgatgaa ggcccctgtg gtggtgatgg    180
ggacccaggc ctgttcccct tccccatgcc ccggggtggg acccaggcct ccagcgaaga    240
gagtgaggag gaggggacat ctgacgacct ccacccaccc cctgactgcc attatgcaac    300
ccggcccccca cggccacagg cgttctgcac ctttgggagc cggctggtga gcccaggatg    360
ctatgtgttt agccgccggc tggaccggtt ctgctcagca ctcagctcca tgctggaacg    420
gcacctcagc acacacatgt ggaagaagat cccaccggca gctgaacctc cagctcacct    480
tgtcaactcc ccgttatctg ctcccctgag ccccatcctc tacaggcacc tgccccgcc    540
ttccaggtcc aaccatgaga cctgcctgcc cagcctccat gcccccctgt attgcggccg    600
ctctagagaa tccaaactgt cgt                                            623
```

```
<210> 236
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(298)
<223> similar to gi2224583 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

137

```
<400> 236
gcacgaggcg acttctccct caccctgcgg cgtcatcact gtcacgcctg tggcaagatc      60
gtgtgccgga actgttcgcg gaacaagtac ccgctgaagt acctgaagga caggatggcc     120
aaggtctgcg acggctgctt cggggagctg aagaagcggg gcagggctgt cccgggcctg     180
atgagagagc ggcctgtgag catgagcttc ccgctgtctt caccccgctt ctcgggcagt     240
gccttttcat ccgtcttcca gagcattaac ccctcgacct tcaagaagca gaagaaagtc     300
ccttcagccc tgacagaggt aaagcaggca gggctaccca agtgggaagt agggcatttg     360
gaaggttcat ggtcatcctg ggtagacgga gtcagaccct gccctgtccc agcctgacca     420
gtctcttcca gacagagcat tcctaatgga agcatcccag ctacgaggac cgacttgaca     480
gtgatggtgc taggcgacat ctttcccatc cttctctcta actcttccc                 529
```



```
<210> 237
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(349)
<223> similar to gi2065210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```



```
<400> 237
cgtgctgtac cagatgtggt ttcattgctt gagcaaatta acacacctct tggtacttgg      60
tatgcagcca ttgccttggc aaataacttt ttccccattc ctgtccataa ggcccaccag     120
aagcattttg ccttccgttg gcaaggccgg caatacactt ttactgtcat acctcagggg     180
taggacagta aactctccgg ctttaggtca taatcttatt gggaaagacc ttgatcgctt     240
ttcgtttcca caagatatca cactggtcca ttagtttaat gacattatgc tgattggatc     300
cagtgagcaa gaagtagcaa acacgctgga cttattggtg agacatttct cgtgcc         356
```



```
<210> 238
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = a,t,c or g

<220>
<221> misc_feature
```

<222> (230)...(364)
<223> similar to gi2039348 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 238
ggcacgagct taaagaggag gtagagagat tggcatagaa aatttattga aagagttaat   60
aacagaactt cccaaaccta gagaaacata tcagtattca aataaaagaa gggtatagaa   120
caccaagcag atttaaccca aataagacta cctcaaggca tttaataatc aaactcccag   180
aggtcaaaga taaagaattc taaaagcaga aagagaaaag aaacaaataa tatacaatgg   240
aactccagta catctggaag cagacttctc agtgaaaacc ttacaggcca ggggagagtg   300
gcataacata tttaaaatgc tgaagggnnn nnnnnnnnn cttttatgct aaaatagtat   360
atcc   364

<210> 239
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(980)
<223> similar to gi56589 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 239
taagaggact ctaagggaat actataaaca atataagcca ataaactaaa taacctagat   60
gaaatgagca agttaaaaga cacaaactat tgcagctaac tcaggaagaa atagaaaacc   120
tgaagtataa caacgagatt gaataaataa tgaaaaactg cccacaaaga aaagtcctgg   180
cccacatggc ttcactggtt aattctacca aatgtttcaa gaagaattca caccaatact   240
ttccagactc taatagaaaa taaaagagga aggaacagtt cccaacttac tctttgaggt   300
catattatca tgataccaaa accagataaa gacatcacaa gaccagtatc tcttatgatt   360
ataggtgcaa aaatattcaa caaaatacta gcacaccaag tatagcaaca tacaaggatt   420
gtataccatg accaaatgga tttatgcaag tttggttcaa catttgaaaa tcagtttatg   480
taatacactg tgttaataga ataaaggaca aaaaccacat gatcgtttcc ataggagcaa   540
aaaagcattt gacaaaatcc aacacccttt catggtaaaa acaaaaactc aggagagaac   600
ttcctcagcc tgttaaaggg catctacaaa aacccatggc tgacatacct aatggcaaaa   660
aattgaaagc ttctaccact aagatcagga acaagacgag ttcctgatcg tttctggaag   720
tggcagtgcc attgccactt ctcttcagca tcgtattgga ggttctggct agggcagtta   780
ggcaagaaaa agaaaggcat gcaaattaga aaagtagtga aactgttcac agatgggatg   840
atcttatatg tagaaaaatc taaggaatct actataaaaa ccagtaaact aataaatagg   900
ttcaacaaag gttcagaata caaggctaat attaaaaaat gagtagtatt tctatagagt   960
agcaatcaac aaaccaaaaa ttaagaaaac aattttattt ataataggat caaaaaaaaa   1020
a   1021

<210> 240
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)...(368)
<223> similar to gi924 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 240
ggcacgagga gttctagtcc ataccctggg tggtggggcc ttctttatct acttctaaga   60
agcacccaca gggacacatg cacccggaaa gtggccaaaa gaagggcttc gacacttcat   120
ctgttttcct tccttcagta ccccaccgaa agaagaacct tccgtctaca acatttctgc   180
ctaaagaaac taccactttg aaaagccctt cctctggctt gctaggaagc tcattggaga   240
ccctaacttg gaatttggtg ccatgcctgc tctcgcccga ccaaaaaaag tcatggaccc   300
agctttggca gcacaatatg agcacgactt atagggtggt cagacacctg ctctcccgga   360
tgagga   366

<210> 241
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(384)
<223> similar to gi994732 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 241
atgaggtgct aatcaataaa aaatagttaa acatttgcat gactctactc atttgggaat   60
aaattccctg tttaatatct cggctttta tagaaaaata attacttaaa agagtaaacc   120
aggtaaccca ggcctgtgaa ctatatgcct ggaacaaccc aaatgaccaa tgtttacctc   180
ctcctttagt aaggcctgtt cagcatagag gagcataccc tggtgaagac tggcaaatag   240
actatactca gatgcccccg tgtaaagggt ttaaatattg attagtattc attgacacct   300
ttaccgtttg gattgaggct tttcctacca agtctgaaaa ggcaatcaag gtttctaaac   360
tactaaaaga aataattccg a   381

<210> 242
<211> 1065

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(1067)
<223> similar to gi600118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 242
ctctgctgta actgcagggt cacaggcatc ccgggagaat gggcctccac cctcagccag   60
ccctcactgc tgacaggcac ccctctgtca cctcctgcca cctgtcagat acccagcctg   120
cccgccatca gccacccgag tggttccgac ctccattcac ctcaagcccc aacaggcccc   180
tgtcattcca cttcatggaa gagacggagc cttctgaaat gagatctacc ctgaaaatct   240
cttctccttc ccctttctga gaaacgtcat ccccaccagt taacgtttcc tgtacaccct   300
caccctctct cgtccatctc tgttgcctct gcacatcagc acacactgac tccacctggg   360
ctggctcctg ccgcctcttc cctacctcct ccactagccg caggaagggc ctccagcacc   420
cacaactgcc cttcctcttg atgcccctcg gcttcccccc agcctggcag cagcgtccca   480
gcgcctccac attgcccctc tcacctccca gctctccacg ccacttggct ctgcagcgac   540
ccctcctaga cgctccctgg ccctcggca cccagaatgc cacattcttg tgttttttc   600
ctccttcttt cccaatccct ctcaaccatg tatttattta tatatgtatg tatttttta   660
tttattattt atttattgaa acccctactt tgattgacaa aggaatcaag gtagatctga   720
ccagtattcc cctctcttct ccttgtccca ccacatggac atgccttaca ctggcgtcct   780
ctcctgagtc cctccgcact ctccatcagc aacctcacac ctgccttcag acccggctgc   840
aacttcctaa gctgccctg ccccagctcc tctctgcaac ccagccctct cctgagctct   900
aggctgggat tacacccgct ggagggacac tcaccccatc tgctcccacg gcagcaccat   960
caactcaaca agtcagaagc caagtggatc atctgtgtcc ccttcccca caatccctcc   1020
tttttctagt aaaagacccg tgatcccgtc agccacccag tctga   1065

<210> 243
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(785)
<223> similar to gi4755085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 243
cggacgcgtg ggctctgaca ccctctgccc gccctgtagc tgtagtcctc ccattggcta   60
gggctctggg gtcgggcagg tttcgggtgc ccccagtggg cctcgggttc caggcagctc   120
gtgacaagcc cctgtgctct ctagaaagcc cgttttggcc tgagtgcggc tgaggacatc   180
acccccccggt tcaggtgaga cccaagcagg gaggaaggac gggtgggggag gaggagggtc   240
tgccacagct ctccgcacct ctcctctccc agggcagcct gtgagcagca agctgtggct   300
ctgactctgc aggaggacag agcatccctg acgctttcag gggggccctc ggcactggcc   360

141

```
tttgacctct ccaaggtacc aggcccagag gcagccccca ggctgcgggc gctgacactg    420
ggcctggcaa aacgcgtgtg gagcctggag cggcgactgg cagctgcaga agagacagct    480
gtcagcccga ggaagagccc ccggcctgca gggcctcagc tcttcttacc agacccagat    540
ccccagagag gtggccctgg acctggagtc aggaggcggt gtccaggaga gtcgctcatc    600
aaccccgggt tcaagagtaa gaaaccagct ggtggcgtgg acttcgatga gacctgaagg    660
tgcagcacaa gcgtggcccc gcggggagtc cgcctatgag gggagaggca gtctttgagg    720
cccccatcag agaccccccg ccaccacctc cacctgcctg tcctgggcca ggactaacac    780
ggctcctcaa attccttccc tgtcaaataa acagctccct tggttggaaa aaaaaaaaa    839
```

```
                <210> 244
                <211> 440
                <212> DNA
                <213> Homo sapiens

                <220>
                <221> misc_feature
                <222> (25)...(436)
                <223> similar to gi5734705 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters
```

```
                <400> 244
cccggggcga cccacgcgta cggtgcaagt acgagggctg cgtgtacagc aaggctacca     60
accacttcca ctgcatccgc gccggctgcg gcttcacctt cacctccacc agccagatga    120
cctctcacaa gcgcaagcat gagcgccggc acatccgctc ctcgggcgcg ctggggctgc    180
cgccctcgct gctgggcgcc aaggacacgg agcacgagga gtccagcaac gacgaccttg    240
ttgacttctc cgccctgagc agcaagaact ccagcctgag cgcctcccct accagccagc    300
agtcctctgc gtccctggct gccgccactg ccgccaccga ggctgggccc agtgccacca    360
aacctcccaa cagcaagatc tcggggctgc tgccccaggg cctgcctggc tcgatccccc    420
tggccctggc cctctccaag                                                440
```

```
                <210> 245
                <211> 759
                <212> DNA
                <213> Homo sapiens

                <220>
                <221> misc_feature
                <222> (1)...(760)
                <223> n = a,t,c or g

                <220>
                <221> misc_feature
                <222> (22)...(710)
                <223> similar to gi1118091 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters
```

142

<400> 245

```
aaatggaccg gcccagaaat cagtccaaat accagtggct ccagcccagt cattcatttt      60
actccctctg atttggaggt gagacggtct tcaaaagaga actgtgccaa aaacctcttt     120
tccacacgtg ggaaaccaaa ctttactcga cacccatctc ttatcaaatt ggtaaagagt     180
atagaaagtg atcggagaaa gataaattct gcgcccagta gccctatcaa gaccaacaaa     240
gctgagagtt ctcagaattc tgcacccttc ccaagtaaaa tggctcagct cgcagctatt     300
tgtaaaatgc agttagaaga gcaatcaagt gaatccagac agaaagtgaa agtacagctg     360
gcaagatctg gaccctgcaa accagtagcc cctctggacc ccccagtgaa tgctgagatg     420
gagctgacag caccgtccct catccagccc ctgggaatgg ttcccctgat ccccagcccc     480
ttgtcatcag cagtgcccct gatcctacct caggcccctt caggcccatc ctatgccatc     540
tacctgcagc ccactcaagc ccaccaaagt gtgaccccac cccaaggcct gagcccaacg     600
gtgtgcacca cccactcttc taaagctact ggctcaaaag actccacaga tgccaccact     660
gagaaggcag ccaatgatac ctcaaaggcc agtgcctcta ccaggcctgg aagcttgctg     720
ccagcaccag agaggcaagg ggcanagagc cgaaccagg                            759
```

<210> 246
<211> 1467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(1462)
<223> similar to gi2351568 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 246

```
cccacgcgtc cgcccacgcg tccggatgct tggttcccgg agcttggaag atgatatcag      60
ccttgcacat tcagtgtatg cgacctcact gcagagtgat gtgaattaca agaaaggctt     120
tgaacactca aaggcgcagt tccatctgcc gttggacatg gccgccctgg tgcatgccaa     180
gaaggctcag accctggcca gcaatcagga ctacaaacat ccactgcccc agtacacttc     240
cttggcagaa gacctgaggc tgagctgtgc caagaaagct cacaaattgc agagtgagaa     300
tttgtaccgg tcagacctga actttatgcg aggtgttgca tgtgtcgttc caggcacgtt     360
agagatcgaa gggaggaaga aagcatcgga actcatcagt gagagtaaat atcggcagca     420
tccccactca ttcaagtaca cagctgtgac agacactccc aacctccttc atgcgaaatt     480
cagcaaccag ataacgaatg agcgcctcta taaagcagct ggagaggatg caagacacga     540
gtatacaatg accctgggtc tgcccgagtt catccgagca aaaacgaatg cagccaacct     600
gagtgacgca agatacaaag agtcctggcg taatcttcgt gctcaaggct acaagctgac     660
aatagaagcg ctccccttcc aggctgcccg ggcctctgga gatatagcca gtgattttct     720
ctacagacat gactttgtga aggagcgagg gaaactcata gggccccaga gtgtaagaga     780
cgaccccgg atccagcact gccggcgcat gggccagctg cagagcgagc ttcagtacag     840
gaggggggcg accagcagcc aagcccagtt ccatctgccc atggacatgg tgcacctggt     900
ccatgccaag aatgcccagg ctctggccag cgaccacgac tacaggacac agtatcacaa     960
gttcacagca ctgcccgagg acctgaagat ggcctgggcc aagaaagccc atgccctgca    1020
gagtgagttg cgctacaagt cagacctgat cggcatgaag ggcataggat ggctggcgct    1080
gagatcccca cagatggaga gtgcaaagaa ggctggagaa ctcatcagcg agaccaagta    1140
ccgtaaaaaa ccagacagta tcaagttcac cacagtggtt gactccccag acctggttca    1200
```

```
tgccaagaac agctatatgc actgcaatga gcgcatgtat agatctggag atgcagaatc   1260
cctgcacaga tacaccctga tccccgacca tcccgatttc acccgagctc gcctcaatgc   1320
gctgcatctg agtgacaaag tctacagaaa ctcctgggag cagacccggg ctggcagtta   1380
tgacttcagg ctggatgcca tcccccttcc agacttgccc gggcatctta gggaattgcc   1440
agtgatttcc ggtacaaaga gctttct                                      1467
```

<210> 247
<211> 2024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (218)...(1606)
<223> similar to gi3980411 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 247

```
ggagaagtac gtggaggaac ttgcagcagg gaggcttacc cttcagacag acctggagac    60
atccattcgg cggattgccg acctgcaggc tgccttggaa gaagtggcat ccagtgacag   120
tgatactgag agtgtccaga cggcagtgga ttgtggcagc agcggccgaa aagagatgga   180
taacgtctcc atcctcagct cccagccaga gggcagcctg cagtcctggt tgagctgtac   240
tctgtccctg gccacagata ctatgaggac tccttctcga cagtcagcca ccagcagccg   300
catcctcagc cccaggataa acgaagaggc tggggacact gagaggaccc agtcggcatt   360
ggcactgagc agagcccggt ccaccaatgt ccacagcaag acctcaggag acaagcctgt   420
ttctccccac tttgtccgcc ggcaaaagta ctgtcatttt ggggacggcg aagtgcttgc   480
cgtccataga aagtccacag agagattaga acctgcttcc tctcccctgg cttctcggag   540
tacaaataca tccccgctgt cgagggaaaa gctgcccagt ccttcagcgg ccctctcgga   600
gttcgtggaa gggctccgga ggaagagagc ccaaagaggc cagggggtcca cgctgggcct   660
ataggactgg cccactctcc ccatttacca gacgactggg gcctccacac taaggagggg   720
cagggctggc agtgacgagg gaaacctctc gctgagggtt ggggcaaagt cacccctgga   780
aatcgaaggg gccgctggtg gtctcttgag gtccaccagc ctcaaatgca tctcttcaga   840
cggtgttggg ggcacaaccc tactccccga aaagtcgaaa acccaattca gttcctgcga   900
gtccctctta gaatccagac cgagcatggg gagaaaactg agctctccga ccacacccag   960
ggacatgctg ttgtcgccca cactgcgtcc tcggaggcgg tgtctggagt cctctgtgga  1020
cgatgcgggc tgtccagacc ttggaaagga gccgcttgtt ttccagaacc gccagtttgc  1080
ccacctgatg gaggaacctc taggcagtga cccattcagc tggaaactcc caagcctcga  1140
ctacgaacgc aagaccaaag tggacttcga tgacttcctc ccagctatcc ggaagcccca  1200
gacacctacc tccttggctg gatcagccaa aggtgggcaa gacggttcac agcgttcaag  1260
catccacttt gaaacggaag aggctaaccg ttcctttctc tcggggatca agaccatttt  1320
gaagaagagc ccggagccca aggaggatcc cgctcacctg tctgactcgt cctcatcctc  1380
cagctccatc gtgtccttca aaagtgctga cagcatcaaa agtcgaccag gaatcccacg  1440
acttgcgggt gacggtggcg agcgaacgtc ccccgagcgg agagagccag ggacggggag  1500
gaaagacgac gatgttgcga gcataatgaa gaaatacctc cagaagtagg aaccagttca  1560
gcctccttga agctgccctt gaagacttcc cgactctaca ataacttgga gacagagaga  1620
ctggccaggc ctccccggtg gccagagcca gccagcatgg ccaccctcaa gaggcgagat  1680
gagcccacag aggcatatcc tgcggggatg ctgggctccc agtgtggttg gcctgaacaa  1740
aataaagtgt tgactcctgg gcatctgtgc cttctctatg gccttgctac ctgggattcc  1800
agagagttga tggggtgcag atagggtag gactgttaga atagaaccaa cccaaactgt  1860
gtgtagtttg gggtgtatac ttctatttct cttcctacat gtctacatgc catgaccttc  1920
```

```
ctcctcctct  tcacttggcc  agtttcagct  cacttcctcc  aggaagtctt  tcctgatata    1980
tcaaactgaa  acaaatgctc  ctcctccatg  ctcccttaat  cccc                      2024
```

```
<210> 248
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(713)
<223> similar to gi62223 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 248
cccctccacc  tggagttggc  catgatccac  tgactgtgac  ctgtgctctc  cagggatacc      60
ctgtggcggt  cccagctctg  catgcctgcc  atcgcctgca  gcacacacct  ctgagttccg     120
tttgggagac  ccctgaggac  gcccagtgcc  cacatctgca  tggacccgat  gtgctgagct     180
ggctccggaa  agaagtctcc  cccgccggca  tgctgctcat  cgatcgcctc  ctgacccaca     240
ctgttcctac  aaaggcacca  ggattctgac  cctcaggtga  gagctccagg  tgcctttggg     300
tctccgcttt  gaggacctgt  gacgcccgct  catctgtctc  cctgccgtgc  cctccaccgg     360
cccagcctac  ccttgctgac  ttgtcttcca  catgtgccta  aagtgggccc  tgctctgttc     420
ctcctctgtg  ggccttgggg  actgtctcac  tgccttccca  gaggacttcc  agtagaaaca     480
gcccccagga  agctcccagt  cagtgtcccg  ctcctgcggc  ctggagccca  gctcgagtca     540
ggctctccca  caccctcctc  tttcatcacc  tccccggccc  atgccactct  cagggaggct     600
tcatcctggt  ccccatccct  gtgtccagct  ctccagtcta  cacctgtact  tccgcaggcc     660
cctgctcttc  actggtgggt  gtgggagggc  ccctctgacc  gaactttcat  ttaaatgcta     720
cttctgtcat  ctggaaatac  agttttctcg  a                                      751
```

```
<210> 249
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(684)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 249
tgtagataca  gagtagctaa  ttctaaaatt  catatggaag  gcaaagaaac  taaattagcc      60
aaaacaattt  tgaaaaagat  ttcaaaaaaa  ttttgaagga  atcatgctgc  ccagttttaa     120
```

```
gacttactat aaagctgtga taatcaaggc aatctggtat ttatgaaagg ataaacacat        180
agatcaatgg aataaagtcc aaaaccagac tcacataaat agcaattgat ttctgacaaa        240
ggtgaaaaga caactcaatg gggaatggag agtttttcaa cagatgattt taaaacaact        300
gaacatccat atgcaaaaaa ataaacctac ctaaatttca cagcttatac aaaaattaac        360
ctaaaatgga tcacggatct aaatgtagaa ctaaatttat aaaattttta gaagaaaaaa        420
atccataggc cgggcacggt ggctcatgcc tgtaatccca gcacttcaga ggctgaggcg        480
ggcagatccg ttgaggtcag ttcaagacca gcctagccta tgtggtgaaa tcccaactct        540
actaaaaata aaaaataaaa aaaaatgggg ctgggagtgg tggtgcacac ctgtagtccc        600
agctacttgg gagactgaag cacaagaatc acttgaaccc agcaggcaga ggttgcagtg        660
agtggagatt gtgccactgc accc                                              684
```

```
<400> 250
ctgaacttgg ccctgtgttt aagcagcagg agccaatcca gattttgtta attttcctac         60
aaaaaatgga tttgctacta accaaaaccc ctcctgatga gataaagaac agtgttctac        120
ccatggttta cagagcacta gaagctcctt ccattcagat ccaggagctc tgtctaaaca        180
tcattccaac ctttgcaaat cttatagact acccatccat gaaaaacgct ttgataccaa        240
gaattaaaaa tgcttgtcta caaacatctt cccttgcggt tcgtgtaaat tcattagtgt        300
gcttaggaaa gattttggaa tacttggata agtggtttgt acttgatgat atcctaccct        360
tcttacaaca aattccatcc aaggaacctg cggtcctcat gggaatttta ggaaactgag        420
gctcagagag gtaaaataag tgattcaaga tcatataagt ggtatttaca aatgtacttt        480
tactcataag aagttgggaa tcaccaaaga gcagctggcc ggaaaagtgt tgcctcatct        540
tattcccctg agtattgaaa acaatcttaa tcttaatcag ttcaattctt tcatttccgt        600
cataaaagaa atgcttaata gattggagtc tgaacataag actaaactgg agcaacttca        660
tataat                                                                  666
```

```
        <400> 251
cattttggga ttgccatttt aggagatcct caagttttgc tattggatga accgactgct      60
ggattggatc ctctttcaag gcaccgaata tggaatctcc tgaaagaggg gaaatcagac     120
agagtaattc tcttcagcac ccagtttata gatgaggctg acattctggc ggacaggaag     180
gtgttcatat ccaatgggaa gctgaagtgt gcaggctctt ctctgttcct taagaagaaa     240
tggggcatag gcctaccatt taagttttgc atcctgaatg aaaggtgtga tccagaagag     300
tataacatca ctggtttaag caggcaccat ctctgatgcc caaaatttga ccagccccaa     360
agtgaagaaa aaccttgtat ataattttgc cttttggaaa ggaccaaaca aatttccaga     420
actttacagg gatcttgata gatgttctaa ccaaggcatt gaggattatg gtgtttccat     480
aacaactttg aatgaggtgt ttctgaaatt agaaggaaaa tcaactattg atgaatcaga     540
tattggaatt tggggacaat tacaaactga tggggcaaaa gatataggaa gccttgttga     600
gctggaacaa gttttgtctt ccttccacga aacaaggaaa acaatcagtg gcgtggcgct     660
ctggaggcag caggtctgtg caatagcaaa agttcgcttc ctaaagttaa agaaagaaag     720
aaaaagcctg tggactatat tattgctttt tggtattagc tttatccctc aacttttgga     780
acatctattc tacgagtcat atcagaaaag ttacccgtgg gaactgtctc caaatacata     840
cttcc                                                                 845




        <210> 252
        <211> 1254
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (705)...(261)
        <223> similar to gi5918469 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 252
tttttttttt ttgtatattt taacaatgtt tattattcat ttatccctct atagaaccac      60
cacccacacc gaggagatta tttggagtgg gtcccaccgt agggccggag ctatgaaatc     120
tatctcccca cttccctcac catgtgcatt aggtgtgggc atggttcagt cagaattggt     180
tttttttttt caagagcacg cccctgggc ctttattcac caggaccttc tggaaccctc     240
catggcccca caccaagcac ggccccggcg cccaagctcg gccacctgca gtctcctggg     300
gtggggctgt cggatttatg gcatgctttc tgggttctca ttgctgagcc aatcccaaag     360
taggggaagg ggctggattc atcacccgcc cctcggcttt cgagctccag acaagggccg     420
tcgctgggga ggcgtctgtg ctctcccggg ctcctgcagc tccagagggt tcgggctctg     480
aagcaggtga gggtgttgct aggctgctgt ttcctactgg ctgccgcccc gctcctgctt     540
gtacagtctc tgctcccgga tggcttgttc caacaagggc aggttcatcc cctccacaca     600
ggtcagcacg cgcgccttca ccacggagcc tctgtcctgc tgatgctgga gctccccgag     660
gacgatgtac agggagccca cctgggcgtg gaagggctcc accaacttgg tacagacaag     720
aacctggtgc tgatcggatc cgtgctgagc catcagtgtt actctggact gaatcatgtc     780
atagaggcac aacctgccaa atgttctcag cgtgctccca tcaggaactt ggcctgcact     840
aacctcccag gggaggtaat aggtcccagg tttgggcagc atcatgggct cctgttctag     900
gcgtcgccgg tcctcggatt tcttctttcc gcctcgcgtg gtcacgtgac gggggagggg     960
cgggatacaa aaagtgcttt attttcccac tccccggacg cccagcaggg cagtttcttg    1020
```

147

accttcggag ccccttttccc gaggatccgc tcgggagcct cccctggcca ggagcagggg   1080
attagtctgc cccgcgaccg gccccagcca cgacgcggac atcgcccct ctgtctgggc   1140
cgctgtcact tttcatctac tatgatgtga tattttaaat gaaaactttg gaattcgagt   1200
aatgttagat atcctgtagg cacttgaaat tataacttct tttgtagaag aaac   1254

        <210> 253
        <211> 650
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(651)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (332)...(650)
        <223> similar to gi36615 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 253
gaattctgct tatgcaccaa tttgcagctc ctgcaaccat gatgcagcct cacccggacc   60
tttcaacatt ttcccttttca cctaaaactg tattttttctc tgctaagacc ggctaccctta   120
cttttcatttt cctttcactc ttcttggctc ttttgggcct tttaggaatt tgggatgatt   180
caggctctga caggcatggt actagattta ttttaggctg ctcttttgct gttgtccaac   240
aggccaagga gagatttaaa tgatttatcc aatatttgct aaatagtcat gtgtttcatt   300
tatcccatat atagttcagc cttaatattg tttttgtttt gatttgttac actagtgcat   360
acatagagac gtgaagccag aaaatatcct catcacgaaa cattccgtga ttaagctttg   420
tgactttgga tttgctcggc ttttgactgg accgagtgac tactatacag actacgtggc   480
taccaggtgg taccgctccc ctgagctgcn ggtgggggac acgcagtacc ggcccccgg   540
tgggatgttt ggggcaattg gctgtgtctn tgctgagctn gctgtcaggg aagtgcctct   600
ggtggccagg aaaatcggaa tgttggatca gctgtatctg attaggaaga   650

        <210> 254
        <211> 1273
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (40)...(1265)
        <223> similar to gi488555 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 254
aacgtaggac ctgctacgcc agcttggcac gagggtaatg aatgtggaca aacctttggt   60
cacacttttt cccttaataa gcatcagagg actcattctg gagaaaagcc ctatgaatgc   120
cgggaatgtg ggagaacctt cagccagagc tcatcactca ttgtgcatta cagatttcat   180
actggagaga aaccttacaa atgtaataaa tgtgggagag ccttcagcca gagttcatct   240
ctcactcaac attacagatt tcacactgga gagaaaccct acaaatgtaa tgagtgtgga   300
agggcctttg ctcatactgc atcccttatt aaacatcaga gaagtcatgc tggaaaaaaa   360
accctataaa ttcagtgaat atagaagggc tttcagctgg agtgcagaca tcactggaac   420
ttaaagaatt catatcagag agagatccta aaggtgtaat gtatgtggga agaccacatc   480
ttgttccaca tcaggcaata attactaaag agaatccctg tcaatgtcaa gagggggtgg   540
gcttcccctc tcttaccaaa catgggagaa tccatactag tgagaaacca cgtgaatgta   600
atgaatgtgg gaacgctttg atcagaggat gcatattatt cagcatcaga cagccgacac   660
tggggaggag ccttatcaat gcagtgagtg tggcaagcct tcagttacat actgattctt   720
taagaaaatc agataacttg tactggagag aaatcctaca agtgtggtaa gtatggaaaa   780
atcttcagtt gtatctcttc ctttactaag catcaagaac acatactaga gagaggccct   840
atgaaagcag gaaatagagg aaggccttca gtcaggctc atcccttatt aagcatcaga   900
aaattcatac ctgagaaaaa cctgtgaatg tgggtaatgt gggagagcct tcagccaaac   960
ctcattgctt tataaacccc ttagaactct ccctactagc tggaaactct ggtgacgtga   1020
tgaatgtggg aagggctttg gtggatgttc caccaaaaca cgttagagaa tttgtacatt   1080
agagaatttg tgctagagca actcttcaaa tttagtgaaa ctgggaaaac ccattagtag   1140
agttcaagct tcagtattca tctcaaagag aaaccttggg aacatgatga atgtggagga   1200
aagttccttt accaacttgg agatgtataa aactagagct gaaaagaagc tgagaaatcc   1260
tataaaaaaa aaa   1273

<210> 255
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (69)...(376)
<223> similar to gi5102812 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 255
ggccgcatcg ggccccgagc gcgtgtccga gcggcttaaa ggggccgtgc tgctgccttc   60
gggtaccgct gccccgggag accccggcg gcccggccct gcggggaccg ggcgggatgg   120
ggaccggggc agtggaccct cggagttggg atggggcggg gggaacgcgg gcgtggagcc   180
ctccggggac agggcttggt gtcctcagaa gcctccagaa cgtccatgga acccgcccct   240
gcgcccaccg cctcctgctg tctttccagc tgagttccgg ctgcccctca ccctcggctt   300
cttcactctg cctctcccca gccagcgccc tgctccccgg tcctcaacca ccacctttca   360
cctgcctggg ccttcatcgc   380

<210> 256
<211> 2262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2223)...(97)
<223> similar to gi5739387 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 256
```
cctgccactg aggcaggtgc ggccccagga ccatcaccag gaatgcgagc ccaccctgga    60
ccagaggtag gagcccaagg tccggcccct tgctctttga ttgtgggcag cctcctgccc   120
tctctgggtc tcagttgccc catctgcaga gcgaggaggc ccgggctggt tggtcttgaa   180
ggcccttttc catgccgaca tcatgtcact ctaggcctgg ggttcagttt cctgtggctg   240
gtgatgctgt ggttaagttt gcttgacccc agcagcccga gggactgtct gagtcacagc   300
acagccccta ttgcgtggct gctggtgtgt ggggtcagtt ccagcagatg aatgtgtcat   360
gtggcacacc ttgtcccttc ccgcagcatt tcctggttcc ccccagaccc ttgagcgctc   420
tttgggaccc agaaggagtc cttgcacagg gaaggcttga ggtgagaagc cgcttccag   480
actgtcaggg ccaggcctgg gtctagaatt cttgctgctg ctttgcagag tcaacagccc   540
atcagcccat gttttagagg ggacactttg gtcctcggtt cccaccctca gcaagcaggc   600
ctccagcccg aggaaggcct ctgccgtggt gacgttgccg tgtggggctg cgtggctgtt   660
cccettggct ggagcattca gccaacccca gcgtcccccc tgaggcgttc attggcagcc   720
ccctaggact gcacgctggc cccacggtaa ccccccctcc cccaccaaca tcctgcaggg   780
atggggtcag tggttccacc ttcacaggcc actttgaagg gtggattctt tgaggcccct   840
gccagtcggc tccctgctca gctgctggcc cgggcgacct gggactcagc accaacggct   900
gaagtttctc agctgggctc tgacctgggg tctggggcag ggaacgaaca tggtggcttt   960
gggctgagag gatgagggag gtctttccca ggtcaaatta ctttcctttg gcctctgcct  1020
gaggctcgat ttgcctctct ggtccaatgg gactgacact gttgtacaac ctgacctgtg  1080
gctgagggtg tctgggctta agcatgtgga ccccttcggt gtgtctggcc ttcctccatc  1140
gtcctgccct ttggcctttt ggtttgaagc cacaggtgtg gcttctggcc ttagcagatg  1200
gtatgcttgc ggaccgcagc ccagcatgcc ggtgggccca cagcccgagc cagcccagag  1260
ctgccggaag ggccgcccct cccggccctg gcggggtgct ggacactggc cattttcact  1320
agagtttgcc tggcagggac cgatctctgc cccctcctct ccccaggcct ctggctgcag  1380
tgatgccgca gaatcctgag ccaggtgcct cctgagcagc ccgtgcgcct ctccacagcg  1440
gcgtttgcca cccaatgcgg ctcgcttcag atgctctgat gcagagggca tgcccatagt  1500
ccctctgcag agcctcgcac tggggccagg gcaggcacca gccccaggcg gccagtcggc  1560
cacggcctgt cctcttcctc gtagcgtctg ctcctcactt tgtgttgatg gtgacttagg  1620
agaatgttcc gattttccat gatctaagca ggccacgttt aaaataacat caaggcaagc  1680
gtacgtgtca ccctctgtac tgacatctcc tcccctgaaa tgcttttcag tttgacagcc  1740
cgtttcctag acaagtgcac ctggggtttc aggaactttg tgtttttcg gagggggttg  1800
gtggggaggt cgggatgcct gggatccctt cctggagagg caggctgtct ctggaaaaag  1860
cctccattgc ccacccgcca ggcggaaagt caccctgttc ccagcgcggt ttcagcattt  1920
aattttaagg gagctaagga agcgcggcgc gcccctggt ggtggtaagc cgccaacgca  1980
cctggggggct gcaaccccac cggacgggtg gtccggaggg aggctggagc ggggaggcga  2040
ggagggggct gtgagtcctc agaggccctg ggccaccaca tttctggcag cgtttcccag  2100
acacccctct gctaggccat ccctggatag caagtgaatt aacttaaggg cactgtgatg  2160
ggaagccttg ccccctctt tttttttttt ttttaaaaat gggggaaaaa accccagggg  2220
ttaatttttg aatgaataaa aggttttgt tgaaaaaaaa aa                       2262
```

150

<210> 257
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(671)
<223> similar to gi2072951 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 257
tctcctgacc tcatgatctg cccgcctcag cctcccaaag tgctggggct acaggcgtga   60
gccaccgtgc tcggccaaaa gagcacactt ctaaataacc catgtgtcac agataatttc   120
ttaaatggaa tcgagaaata gttaagctga atgaaaatat aattccaata taggaaaatg   180
taagctggag ctcaaacagt gctgagttta gcttataaaa ctaaatgctt atgttagaat   240
aaagtctcta atgataatct aagctcccac ctcaagaaac tacaaacagc aatatacaac   300
caaaacaagt agaaaaagaa aataataatg atcagaatag aaatcaaagt cagaacacat   360
agaaaatcaa tgacacagaa agctggttct ttgaaatagt caataaaatt tataaacatc   420
taagaagatt aacaaagata aagaagacac acataaccac tattaggaat aaaacaaagg   480
atacaactat agaaccttct gtcatgaagg gaataataag ggaatacttc aaataaataa   540
ctccacaaat ttaagttaca aaacttagat gaaatggaac aattcctcaa aaataataat   600
ctatcaaaac ccacccaata tgaaatactt tgagtaccta ttaagttgaa tgactacata   660
attcaaatct tccacaagag aa   682

    <210> 258
    <211> 532
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (90)...(437)
    <223> similar to gi1196425 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 258
cccccccataa ccatgctaga agaaacatct atataaggtg tccccactgt acacatacta   60
cttaggaaac ccagacccat ccagcccagc aacaattcca agtctttcag tcattcttta   120
aacatataaa ccagaagtta ccagaacctc ctcctttagc aaaaacagaa aaaacctatt   180
tgctcagctg gctgaaaaca ttgctagctg cctagatgtt tcttcatgtt atgtttataa   240
aaaggctaac ataagagacc aatggccttg agaagcaaaa gagttaatgc ctcaagataa   300
ctttaactag ctctttcccc aaacagatgc cacaagttca agcatctggc tcttaaaact   360
tctattatta aaaaatacca tgttactcac taggaaaaag cttttaagac acagtaaaaa   420
gaactaacct gcttaaggca tgacaaagtt ggtacatgtg catatacagg tttaacacag   480
gtctgatcct aggtgttcat ttagaacata gtttccagct gtaagaaaat tt   532

```
<210> 259
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (492)...(728)
<223> similar to gi5788108 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 259
tgtattagta cttttccaat gaagtctctt aatttataaa gttatttaag agttttatgc      60
atcagtatag gtatatgtat cttctatgga aataaaatac tccctttttcc tcatatttac    120
ttctaatttt tatgtagtgt tttcaacttt agcacttaaa tttatgaagc attgatctta     180
ttcttcaaat agaacactta attttcttgg tttgtataat ttaccaattc agatcatttc     240
aattttccaa actcttgtga caaatgttta tataaaacg aagtcagttt ttaatctgtg      300
tctaggttga aagtcatggg gttggccctt tctttaaata tgtgaaatgg cttttcaatt     360
aacagtttaa ctttatttgt aagacagtac tatggtattg accataaagt atttttgctt     420
tgagtttaat aaggactcaa aagagtgaag catttatggc agattcttgt tatctcgttt     480
tcttttttag gcctgatcaa ccccgtataa ccaaagatgt aatttgtttt catgctgaag     540
atttcttaga agtagttcaa cgaatgcagt tagattaca tgaacctcca ctgtcccagg      600
tatttttaat acacttactg tctttggttt agtttttatt atgaagagag ttatttgtat     660
ttcttgtttt attattttttt agtgtgtcca atgggttgat gatgcaaaac tgaatcaact    720
gaggag                                                                726




<210> 260
<211> 1394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (954)...(1371)
<223> similar to gi3877428 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 260
tcatggtcat cagttctagt catggatatt tgaaattgga caaccacaag tctgagagat      60
ttgaaatttc aggctatgtg gcaacgtctt tggtacattt caaaggtctg actaaatcag     120
tctttgggtg gcttgaaaat tgaggcaaga tcacacactg tgtggtttgt ggagaccggc     180
agtgtttgtg catccctgat atcctttgtg ttgtaattta tcacccttt gtgtttcaca      240
```

```
gatctggctt tgattggctg atgagtgtct ttgtgatcag ttaaaagtgg tagaatgtat    300
gtacgtggac ttgcctaaat aataacttta ggagaagaca atctgaaaca tttgtgacct    360
tgcacagatc agcaacagac ttttaaaaat aaattatttt tattttaagg tttcataata    420
gtaattacat tcttaacttt gtatgtcagg atgaagaaga gaaggatgat ggtgaagcta    480
aagaaatttc tacacctacc cattggtcta aacttgatcc aaagacaatg aaggtaaatg    540
acctccgaaa agaattaaaa agtcgagctc ttagttccaa aggattaaaa tcccagttaa    600
tagcccgatt gacaaaacag cttaaggtag aggaccaaaa agaagaacag aaggagttag    660
agaaatctga aaaagaagag gatgaggatg atgataggaa atctgaagac gataaagagg    720
aagaagaaag gaaacgtcaa gaggaaatag aacgccagcg tcgagaaaga agatatattt    780
tgcctgatga accggccatc attgtacatc caaattgggc tgcaaaaagt ggcaagtttg    840
attgtagcat catgtctttg agtgtcctat tggactacag attagaggat aataaagaac    900
attcatttga ggtttcattg tttgcggaac ttttcaacga aatgcttcaa agagattttg    960
gtgtccgtat atacaaatca ttactgtctc ttcctgagaa agaggacaaa aaagaaaagg   1020
ataaaaaaag caaaaaagat gagagaaaag ataaaaaaga agaaagagat gatgaaactg   1080
atgaaccaaa acccaaacgg agaaaatcag gcgatgataa agataaaaaa gaagatagag   1140
atgaaaggaa gaaagaagat aaaagaaaag atgattctaa agatgatgat gaaactgaag   1200
aagataacaa tcaagatgaa tatgacccta tggaagcaga agaagctgag gatgaagaag   1260
atggtaaatg acctccgaaa agaattagaa agtcgagctc ttagttccaa aggattaaaa   1320
tcccagttaa tagcccgatt gacaaaacag cttaaagtag aggaacaaaa agaagaacag   1380
aaggagttag agat                                                     1394
```

```
<210> 261
<211> 1488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (866)...(1462)
<223> similar to gi332612 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```


```
<400> 261
tttttttttt aggaacacat tgcattttat tacgtgtctt gcacctgctg acaacctcaa      60
gacaaaccga ggctttcctt ttcaacatct gcaagcagct gggagcgtgg ctacttcggt     120
gggagctgtc tgaggtgctg aaaccttctc ttggcttagc gcaggagaaa tctccatcac     180
tcttgccttt tcagtcctga tcccaaggct ggtggcttta tcgctgttct ctggcttgtc     240
agggaagact gttccaaggt acagaaacag cttcgctgcc ttggtcacta agatgatggc     300
aagcagcata cctttataat ccttaggact ttgtacctgt tgtccttctg tctggaggac     360
tgtgggtatg aggtgttcaa gaagaaagct caaatcttcc gacggcaggt accttgcgtg     420
ggatttacaa tacgacaggg gtccgaacgc agctcaggaa cagaaagaaa gcaggttatt     480
tgcaatctac cggagcttaa gggcagaagg cagggcccgt gggaccaata tgccaggggg     540
atttccactt tctgccatat atgtagtcac atcacccact ctgccttgga atattattaa     600
ggaccatcta acacgagggt gtatacgtcc tgcaatacta cgagtaatat caacttcttg     660
gcctctgaat atgaggaaga atatcacagg gctgggtgaa cacagccggc aatgctgaaa     720
ttattatcaa cctctcccca tcttcccctc ctggctctta ggaccccccat cgcagagggg     780
ggaggcaccc cccgcgaggc agggactgag agccagaccc tcatcccccc ctggcttagg     840
accccccatc gttgctccta agatccttag gacccacctg gaggactgtg ggtattaggt     900
gtccaagtag agagttcaaa tcttctgacg gcaggtacct tatgtgggat ttacgatccg     960
acgggtccga acgcagctcg ggaacagaaa gaaagcaggt tatttgcaat ctaccggaaa    1020
```

```
ttaagggcag aaggcaggtg agagaattct taggagctgt ggggtttgt agactgtgga    1080
tcccaaactg cagtattagc cgagcctttg tatgaggtca caaaggggggc ggggacccgg    1140
aactttgaa atggggatcc caacaacagc aagttttca tgagttacaa gaaaatcttc    1200
tggcagcccc agccctgggg ctacccgatc tgacaaagcc ttttccattg tatgcgtcag    1260
agagagaaaa gatggcagct ggactttaa cccaaactgt ggggccctgg ctgaggccgg    1320
tagcctacgt ctctaaacaa ctagacaggg ttgctaaagg atggccccccc tattagaggg    1380
ccttggcagc aactgccctg ctagtacaag aagcaaataa gctgattctt cgggcaaaac    1440
ctgaacataa aggccccccca ttttgtgatg gctgagatcc atcccctc                1488
```


<210> 262
<211> 1311
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (543)...(1311)
<223> similar to gi3043684 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 262
```
ctatcagcca cataccacat agggaggcca cagatgggcc gtggtgggtg gaggtagcct      60
ttgcaccatg ttgagcagag acggctggct ctcctcaggg ctccggctgg aaggtgtata     120
ccggaaaggg ggcgctcgtg cccgcagcct gagactcctg gctgagttcc gtcgggatgc     180
ccggtcggtg aagctccgac caggggagca ctttgtggag gatgtcactg acacactcaa     240
acgcttcttt cgtgagctcg atgaccctgt gacctctgca cggttgctgc ctcgctggag     300
ggaggctgct ggtattccta agatccctga gagccaaggc ccaaccagga tctctgcctt     360
cccccaccag aatccatggt ttggcagccc tccgccccat cacttcccac cctgggggat     420
catccagaga cttggctcag ggggaggtgg gaaggggggca gagacacatc catcctgcat     480
ttgtgcctaa aaatccctcc ctctgtacca gctgccactc tttcttcccg ggtcctcccc     540
aaccctcctc cattccatcc ccagagctgc cccagaagaa tcagcgcctg gagaaatata     600
aagatgtgat tggctgcctg ccgcgggtca cccgccgcac actggccacc ctcattgggc     660
atctctatcg ggtgcagaaa tgtgcggctc taaaccagat gtgcacgcgg aacttggctc     720
tgctgtttgc acccagcgtg ttccagacgg atgggcgagg ggagcacgag gtgcgagtgc     780
tgcaagagct cattgatggc tacatctctg tctttgatat cgattctgac caggtagctc     840
agattgactt ggaggtcagt cttatcacca cctggaagga cgtgcagctg tctcaggctg     900
gagacctcat catggaagtt tatatagagc agcagctccc agacaactgt gtcaccctga     960
aggtgtcccc aaccctgact gctgaggagc tgactaacca ggtactggag atgcgggga    1020
cagcagctgg gatggacttg tgggtgactt ttgagattcg cgagcatggg gagctggagc    1080
ggccactgca tcccaaggaa aaggtcttag agcaggcttt acaatggtgc cagctcccag    1140
agccctgctc agcttccctg ctcttgaaaa aagtcccccct ggcccaagct ggctgcctct    1200
tcacaggtat ccgacgtgag agcccacggg tggggctgtt tgcggtgttc gtgaggagcc    1260
acctcgcttg ttggggaagc cgcttccagg agaggttctt tcttgttgcg t             1311
```


<210> 263
<211> 365
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(330)
<223> similar to gi1103590 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




      <400> 263
ctttgctgat gcccccatgt tcgatatggg tgtgaaccat gagaagtatg acaacagcct      60
gaatatcatc acgtgatgaa ggcagggccc gtggagaagc ggccagcctg gcaccctatg     120
gacacgctcc cctgacttgc gccccgctcc ctctttcttt gcagcaatgc ctcctgcacc     180
accaactgct tagaacccct ggccaaggtc atccatgaca actttggtat cgtggaagga     240
ctcatggtat gagagctggg gaaaggaact gaggctccca cctttatcat ccaagactgg     300
ctcctccctg ccggagctgc gtgcaaccct ggggatgggg ttctggggac tggcttatcc     360
atact                                                                365




      <210> 264
      <211> 1192
      <212> DNA
      <213> Homo sapiens

<220>
<221> misc_feature
<222> (1125)...(605)
<223> similar to gi1209103 in the genepept database release 114,       .
     Run with FASTXY 3.3t00, default parameters




      <400> 264
tttgagatgg agtctcactc tgccaccagg ctggaatgca gtggcgcgat cttgggtgac      60
agagcaagat tctgtctaaa aaaaaagaaa gaaataggag caggatcaac ttccagatat     120
acagagaata taaaaataca ttcactttat tttagaaaaa tgaagactca tagagtaagc     180
ttatcacaaa ctggcctatt aggagtcaca gaattcacag gaaacaattt ctgaagacca     240
ggtgcctgct gccacctctc caagcaggcc agagtccagt agagaatgcg attcaggaag     300
atggctcctc agagggcagg gaggttagct acggaggccg ctcacatgga aatgtccagt     360
gaaccaatgc caaggaagaa gataaaaatt ctctggggct gaccacaaca gtgggggtgg     420
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa     480
ggtgacctct tttcccctaa tcttctttca acccagagag tttaagtctt ctccagctca     540
atcctaatcc accccatttc ccatggtctc tactcctggg agaccagccc tggtggcatc     600
tcttcctcct gtccctgggc cagaatctgc tggagtcagg gtctgctggg tagaggcgag     660
tccaggtact gactgtagtg gtttgctact gaagtcttgc ttgctgtcct gatctctttta     720
cctggtaggt cctgggactg ccactttcct gggggggctgc agattgctgc gagtggcacc     780
catgacagga agatttagtc gctgggaaac aggaaccttg tgtccacttt cccgcactct     840
gtgtcctgca gtgcttggtc ttggaagccc ttttcgagtt gacagagaat ccggaggtag     900
ggcacctctg ccaggtggca cactccggct ggtgagtggc attcggctgg caggcccgca     960
acttggctgc tctggtctcc tcactggctg ctgctctccc actgggcccg gctctccccc    1020
```

```
ggactggggg agtcgatcgg gtaagaggag aagatgctgg gcttttggat gcagggaaca    1080
gattgcaagt gggtgactcc ctcttcatgt tggagggcct ctttccagat gtagccggag    1140
agccctgact gaccccttcc tatctttctc cgccctcgtc caagcttgcg ta            1192
```

```
        <210> 265
        <211> 1021
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (262)...(973)
        <223> similar to gi2388986 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 265
ttttgtcgaa aggggtttaa gtggggaacc cccggggttt tcccctcccg gcggtgttaa      60
accccgggcc agggaattta attttggggg ccccataaaa aaactttttc cttgcaagcc     120
cgcggaagta aactttgatc ctttaaaacg ggcccccctt ttttttttt ttcttgggtt     180
cacatttatt gtaacttgga agcccaccct tcttcctact cctggagctg tcgtccccaa     240
gggctcagga attagccttg ctccacagca aacagcccag aggccccacc tgggcaaaag     300
caaacaaaac agatacgttc ctttccggca ggtgcagatg ctctgcccag gcctgcggaa     360
gccagctccg gtctgtgtgt aaatcctccc caggacttcc ggcccaccag ctccattcca     420
gcctccactc ggctcagctc cgcggcttcc tcgagccagg ctggtcctgc atcgccatct     480
gctggccgcg cggcacggcc ggttcctgga gccagcagga gtcggaggct gcagggcttg     540
aaggcctctt caccgtgccc tccagggagc ctagctgccg aagtattcct gctggaactt     600
ctggaagtct tcctcggtga acacggtgcc ctcagccttc ttcttcttgg tcttggccac     660
aggccggtca caggccttgc ggccccggtt ctggcgcaaa atctgctggc tcacagactc     720
agccacggtg cttctcgtcc tggtcagaaa cttcaggttt actctgaggt ggtctcgaca     780
ctctcgcttc cggtactcgt ccagtgccga cttgggcacc tttcccttgg ccgagttccg     840
cagtttctgg gcctgaattg ccttcgtctt ccggggccgt ttcaccggag cccctctcgg     900
cttggcctga cctggagggt cccgggggggc ctcggacgcc gccagcagct ccaggccccg     960
ccgcagcagg gcggcggaca tggcggcgct tggctccccc cttctgtcgt cttctcgcag    1020
c                                                                    1021
```

```
        <210> 266
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(756)
        <223> n = a,t,c or g

        <220>
```

156

```
<221> misc_feature
<222> (2)...(755)
<223> similar to gi3874336 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
      <400> 266
aatacattgc cgggggtggc caggggtccc gtcgcaaagc acggagagtg cgagtttagg    60
agtctgagct tcccccgagg cgcgagccag cgggagcggg gatccggtgg ccgtgcctgg   120
tggcaccgtc tttgcgccgg gaccttctga gagagggtgg gttcgggagc ccggagctgg   180
accttctcgg gaagggacgg tgatctcgag agcactgggg tccccttccc gggcgcctcc   240
gcccgctgcg cgaccacgga gcctgggaag agggatccgc cggctgcagc cgcgcaggtg   300
gaaagaccct tctctccgcc ttaccgctcc agatcttcgc cggcggtttt ccctggctcc   360
cggagcggct gcgtgctgca cctgttgctc ggagctgctc cttcccgcgg cgcttcnccg   420
cactgcccag cgcgcagcag tgcactgtgc ggctcctgca gagaaggctc cccgcgcatc   480
ccgcgcgccc agcgccacct ccccagtggg ctggcgcctc cgactccctc ccggcttttc   540
cagggattcc gagtcgtcca cagggcgaga gctcttttgg gaggcttcct ggtggtggat   600
agagtcgggt gccaggggct tctctgctgc aactgagagg cgaaaacagc tcggctgaaa   660
tccgcgcccc ttagaagtca cggtgcgcga gcagagacat ggacggattc tagcgggatg   720
ggtcgccgcc cacctcccga cgaagtcgtc gaccc                              755
```

```
      <210> 267
      <211> 1906
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(1907)
      <223> n = a,t,c or g

      <220>
      <221> misc_feature
      <222> (411)...(1906)
      <223> similar to gi5532493 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
      <400> 267
gtcccgactt tcctggagga caccttcgtg cggagcgcgc cgagcctcgt cccgcggccg    60
ggccggggcc gggccgtagc ggcggcgcct ggatgcggac ccggccgcgg ggagacgggc   120
gcccgccccg aaacgacttt cagtccccga cgcgccccgc ccaaccccta cgatgaagag   180
ggcgtccgct ggagggagcc ggctgctggc atgggtgctg tggctgcagg cctggcaggt   240
ggcagcccca tgcccaggtg cctgcgtatg ctacaatgag cccaaggtga cgacaagctg   300
cccccagcag ggcctgcagg ctgtgcccgt gggcatccct gctgccagcc agcgcatctt   360
cctgcacggc aaccgcatct cgcatgtgcc agctgccagc ttccgtgcct gccgcaacct   420
caccatcctg tggctgcact cgaatgtgct ggcccgaatt gatgcggctg ccttcactgg   480
cctggccctc ctggagcagc tggacctcag cgataatgca cagctccggt ctgtggaccc   540
tgccacattc cacgggcctg ggccgcctac acacgctgca cctggaccgc tgcggcctgc   600
```

```
aggagctggg cccggggctg ttccgcggcc tggctgccct gcagtacctc tacctgcagg    660
acaacgcgct gcaggcactg cctgatgaca ccttccgcga cctgggcaac ctcacacacc    720
tcttcctgca cggcaaccgc atctccagcg tgcccgagcg cgccttccgt gggctgcaca    780
gcctcgaccg tctcctactg caccagaacc gcgtggccca tgtgcacccg catgccttcc    840
gtgaccttgg ccgcctcatg acactctatc tgtttgccaa caatctatca gcgctgccca    900
ctgaggccct ggcccccctg cgtgccctgc agtacctgag gctcaacgac aacccctggg    960
tgtgtgactg ccgggcacgc ccactctggg cctggctgca gaagttccgc ggctcctcct   1020
ccgaggtgcc ctgcagcctc ccgcaacgcc tggctggccg tgacctcaaa cgcctagctg   1080
ccaatgacct gcagggctgc gctgtggcca ccggccctta ccatcccatc tggaccggca   1140
gggccaccga tgaggagccg ctggggcttc ccaagtgctg ccagccagat gccgctgaca   1200
aggcctcagt actggagcct ggaagaccag cttcggcagg caatgcgctg aagggacgcg   1260
tgccgcccgg tgacagcccg ccgggcaacg gctctggccc acggcacatc aatgactcac   1320
cctttgggac tctgcctggc tctgctgagc ccccgctcac tgcagtgcgg cccgagggct   1380
ccgagccacc agggttcccc acctcgggcc ctcgccggag gccaggctgt tcacgcaaga   1440
accgcacccg cagccactgc cgtctgggcc aggcaggcag cggggggtggc gggactggtg   1500
actcaaaagg ctcaggtgcc ctacccagcc tcacctgcag cctcaccccc ctgggcctgg   1560
cgctggtgct gtggaanagt gcttgggccc tgcttgaccc ccagcggaca caagagcgtg   1620
cttcagcagc ccaggtgtgt gtaacatacg gggtctctct ccaacgccgc caagccagcc   1680
gggcggccga acccgtgggg caggccaggc caggtcctcc ctgatggacg cctgccgccc   1740
gccaccccca tctccacccc atcatgttta cagggttcgg cggcagcgtt tgttccagaa   1800
cgccgcctcc cacccagatc gcggtatata gagatatgca ttttattta  cttgtgtaaa   1860
aatatcggac gacgtggaat aaagagctct tttcttaaaa aaaaaa                   1906
```

```
<400> 268
ctagttcgac atctcgcgcg gcctcgggag ctgcccggcg gccccggacc gaggcagccc     60
tcccctttaa aagaagcgga ggacaggatt gggatccttg aaacccgaaa cccagaaaca    120
gcatcggagc ggaaaccaga gggggaaacct tgaactcctc cagacaattg cttccgggga   180
gttgcgaggg agcgaggggg aataaaggac ccgcgaggaa gggcccgcgg atggcgcgtc    240
cctgagggtc gtggcgagtt cgcggagcgt gggaaggagc ggaccctgct ctccccgggc    300
tgcgggccat ggccacggcg gagcggagag ccctcggcat cggcttccag tggctctctt    360
tggccactct ggtgctcatc tgcgccgggc aaggggggacg cagggaggat gggggtccag    420
cctgctacgg cggatttgac ctgtacttca ttttggacaa atcaggaagt gtgctgcacc    480
actggaatga aatctattac tttgtggaac agttggctca caattcatc  agcccacagt    540
tgagaatgtc ctttattgtt ttctccaccc gaggaacaac cttaatgaaa ctgacagaag    600
acagagaaca aatccgtcaa ggcctagaag aactccagaa agttctgcca ggaggagaca    660
cttacatgca tgaaggattt gaaagggcca gtgagcagat ttattatgaa aacagacaag    720
ggtacaggac agccagcgtc atcattgctt tgactgatgg agaactccat gaagatctct    780
ttttctattc agagaggggag gctaataggt ctcgagatct tggtgcaatt gtttactgtg    840
ttggtgtgaa agatttcaat gagacacagc tggcccggat tgcggacagt aaggatcatg    900
```

                                   158
```

```
tgtttcccgt gaatgacggc tttcaggctc tgcaaggcat catccactca attttgaaga    960
agtcctgcat cgaaattcta gcagctgaac catccaccat atgtgcagga gagtcatttc   1020
aagttgtcgt gagaggaaac ggcttccgac atgcccgcaa cgtggacagg gtcctctgca   1080
gcttcaagat caatgactcg gtcacactca gtaagtcctt gcagagtcca tgggtttctt   1140
cgacaagtgg cttcaaggaa gggaattccc acccttgtct tccagcaagg ccacacacat   1200
gaaaccagca gaaaagagtc ttatttgctg gaaagacccc cagcaagggc atagtgagcc   1260
cttacagtgg ttccagtcag aaaaggcacc acttggtggg cacagcccca tgggtgttcc   1320
aacttggtaa gcagagcaag gctggacttg agttcccgtc cttcacaaaa cacagagcca   1380
caagccccag gcctgcagca gg                                           1402
```

<210> 269
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(592)
<223> similar to gi4519270 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 269
tgtaagcatt gtggaatggg attcacatct gccaggattt tccaaataca tgaaagaaca    60
caaatgggag agaacccta tgaatgtaag gaatgcggaa aagcattcaa ttattttct   120
tccttgcata tacacgcaag gactcatatg ggagagaagc catatgaatg taaggattgt   180
gggaaagcat tcagctagcc tggttccttt tatggacatg aatagactca cactggaagg   240
aagcactatg aatgcaagca atgtggcaaa actttcacat tttccagttc ttttcgatat   300
catgaaagga ctcacactgg ggagaaaccc tatcaatgta agcagtgtgg gaaagccttc   360
attccttta cttcttttca atgtcatgaa aggactcaca cgggagagaa accctatgag   420
tgtattctag ttccgtttga tatcatgaaa ggacttacac tggagtgaaa ccctatgaat   480
gtaagcaatg tgggaaagcc ttcagatgtg cctcgcacct tcaacggcat ggaagggttc   540
acacttggga gaaactctat gaatgtaagc agtatgggaa agccttcaga tctgccaaga   600
ttctttgaat acagataatt aatgtaaaca attatcataa gtatactaac atgttattct   660
ttttaaataa gaaggtataa taaaatatcc cattggtttt atgtattaga tcaagcttat   720
aatgttacat tgttattatt tggacattgt gagtcagtat taccatgtgg ataaaatgcc   780
aggcatcttt ttcctcatgg aaagtttact ttttgcaccg ggc                     823
```

<210> 270
<211> 2023
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2026)...(545)
<223> similar to gi575322 in the genepept database release 114,

159

```
<400> 270
tttttttttt ttgaaggcaa aagtgtttat tcaagacttt ctaccacact gtgggaagca    60
tcgataaaca gtcataataa ttatcattct gagtcactgc aagcgtgggg ttggatgctg   120
gctctcacag tagcctgtgt tgggaccatg agcagccatg cgcacctcca cgcacggccg   180
agctcaaccc gaagaccacg cgtgctccct ggcaggagca ggaggcctga ccacagacgc   240
agcagctccc cagcctgagc ctgggagtgc accagccagc tcgcagcgga ggccgtttct   300
cctcacaggc tggagtgagc tcagagtcta gaggtcagag gacctcagac taagagctgc   360
aacagaacga cagcaagaac attctggaaa cgatgccaca gtgaatcttt tatactgtca   420
ctcacacttg gtgagggcct cagacatgaa accctgggga gaggcgagtg tgacctccag   480
agtttggctg ggatgcggct gagacagacc tgctgctggc cgaggagggc agtggctggc   540
gtggccctca tggccagcag gtgctaggac tcctctggag gcccaggcgc ctgtctaagc   600
tgccggctgt ggaccacctg cagagctccc cccgcagcct ggcggagctg ggcatccagg   660
gcgccacgga ggtcgttcac ctggacatca ggcagggggt taaggccaat gatgaccca   720
tccctcgggg ccagctgacc ctctgcatga gggccaaggt cccgccgtcg cctccggagg   780
tcggagccag cctgcagttt caggtcccgg ttgggcttgg cattgtccgg cctctggccc   840
cccgggacag ctcgtttgag ccccagctct ggctctggcc tctgcctggg ctcctggaca   900
gcagcgtcct ccccgcctct cggctgctcg tgggacacag gcacatggtc cccccgcgg   960
gcctttctca tctccaggtg accgccatgg tccagccggt ggccctgctg tccaccctgc  1020
tcgccatcag agatgacccg cagttccggc tggcgtaaca cagcctgggg ctgtgcagct  1080
gctccttccg ccccaccggg caggtccgct gcaaggccca ggtctcggct cacttgcttg  1140
ggcttcatgc gagggtcccc cgtctctgct cctggccctg ccacgagcca gttggcttcc  1200
ttcagaatgc tggtgccagt ggctgccacc tccttcccag gtttttttcct gtcttgggaa  1260
ccgccagtaa cgtcctgact ttgcccaggg aattcctctg cgaggcgctc ctctgggccc  1320
ccggcttccc tggcggggtc tggcacgggc acctgctccg ggcccttggg gagctccttc  1380
acagtgccag ctgccctggg ggcggcatcc ttctggccat ctctcagctt gccctgggct  1440
gcccgaggct ctgtgtcagg gccgccgtca ggagggccag caggtctct gcccacaggc  1500
ccctcagagt gctccaggga gcgctggtta aggtcctggg atggagcagg gcggccccca  1560
ggagctctga ggacagggtc caaaggcagg ggaggcagat tctccaccgt ctccctggcc  1620
ttgccttcag gggcctcctg gcctctggc accgctgccc cgggctcttg atgcacctcc  1680
acctgcctgg gtttatcctc ctcgtcctcc tgcctctgct ggtggatctc cttgtgctgc  1740
tcctcgatca ccgccagcag cttctcctgc tggtccagca agcgcttttg ctgcacctgc  1800
tgttctttga tcacctgaag caggacggcg tggtccagca tctccgccct gccagcttcc  1860
tccagctggc tggccgcctg gtttccaccc gctcgctcca cgtccctctg ctcgcgaggc  1920
tcgggcgggc agcccaggcc ctggagccgg cttctccgct gggaggggag gcttcccacc  1980
gtggtcgctg tcctctgcgg gctgccctgt gtccccggcg gcg              2023
```

```
<210> 271
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(871)
<223> n = a,t,c or g

<220>
<221> misc_feature
```

160

```
<222>  (1)...(870)
<223>  similar to gil80359 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters




<400>  271
ccttgggaag cccccaagga gcataagtac aaagctgaag agcacacagt cgttctcact    60
gtcaccgggg agccctgcca cttcccttc cagtaccacc ggcagctgta ccacaaatgt    120
acccacaagg gccggccagg ccctcagccc tggtgtgcta ccacccccaa ctttgatcag    180
gaccagcgat ggggatactg tttggagccc aagaaagtga aagaccactg cagcaaacac    240
agcccctgcc agaaaggagg gacctgtgtg aacatgccaa gcggcccca ctgtctctgt     300
ccacaacacc tcactggaaa ccactgccag aaagagaagt gctttgagcc tcagcttctc    360
cggtttttcc acaagaatga gatatggtat agaactgagc aagcagctgt ggccagatgc    420
cagtgcaagg gtcctgatgc ccactgccag cggctggcca gccaggcctg ccgcaccaac    480
ccgtgcctcc atgggggtcg ctgcctagag gtggagggcc accgcctgtg ccactgcccg    540
gtgggctaca ccggaccctt ctgcgacgtg ggtgagtgag ggtctggggc aagcagaagg    600
ccagcccca ggtgggacgg gcttgccagg aaggaggagg gagagtgcgg aaagcagatg     660
agagggaggc aggagagccc agccttggct gcccagggag cccccttct cctcagacac     720
caaggcaagc tgctatgatg gccgcgggct cagctaccgc ggnctggcca ggaccacgct    780
ctcggtgcgc cctgcagccg tggccctcga ggccacctaa ccgaacgtga ctgccgaaca    840
agcgcggaac ttgggactgg gccgncaccc                                     870




<210>  272
<211>  1420
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (408)...(1423)
<223>  similar to gil196433 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters




<400>  272
aaaactatta aaactgataa agcgagttca tccaggtcgt agaatacaag accaatgtgc    60
aatgatcatt gcattttgtt tttgtttgtt tgtttttttt tgagacagag tctcactctt    120
gtcgagactg gggtgtagtg gcgccatctt ggctcactgc aacctctgcc tcccaggttc    180
acgcaattca catgcctcag ccacctgagt agcagggatt acaggtgtgt gccaccatgc    240
ctggctaatt tttagtattt ttagtagaga tgggattttc ccttgttggt caggctagtc    300
atgaactcct ggcctcaagc gatccaccca tcttggcctc ccagagtgct gggattacag    360
gtgtgaatca ccatactcag cctcaattgt atttctgtac acctctaaat aaatggaaat    420
acattccatg ttcatgaatc agaagacata agatgaccat actccccaaa ctgatctaca    480
ggttaaatgt aattcccatt aattccagct ggtttctttg ctgattctaa aattcatatg    540
gaaatttcag gaacacagaa tattaggaag aatcttgaaa gagtttgaat gacccaccct    600
tcctgatttt aagtatacag aactacagta atgaatgtgt tgtactggta taaggtaga    660
catataggtc aatatagatc aatggcatag aattgagaat tcagaaaaaa agccttcacg    720
tttatggtca gttgatttta aaccagagtg ccaagacaat tcaatgggaa aaggaaacag    780
tctttgaacc aactgtcttc tggatctatt ggatatctat gtaaaaaga gtgacatttg     840
```

```
attcctactt cacatgatat ttaagaagta acttaagatg gatcaaatac ctaaatgtaa    900
gctaaagcta taaaactctt agaagaaaac atagacgtaa atctttgtga ctttggatta    960
ggcaaggatt tcttaaatat acccaaagca taggcaacaa aagagaatac acaaactgga   1020
cttcatcaaa actaaaaact gttgtttgaa atgacaccat caagaaagtg aaaagacagc   1080
ttacagaatg ggagaaaata tttgcaaatc ataaatgtga taagggactt gtatcttggt   1140
ggtatataaa gaactcgtaa ctcaattata aaaagacaac tttgaaatgg gcaaaatagc   1200
tcaacaggct tttctgcaaa gaagaaatac aaatgaccaa gaagcacatt taaaaatttt   1260
cagtactatt actcatcagg aaaatgcaaa tcaaaaccac aagacaccca atgtctacaa   1320
tcaaaaagat aataactagt attgatgagg atgtggagaa attgaaattc tcataacatg   1380
ctgggtagga atgtaaaatg gggcagccac tttgggaaaa                         1420
```

<210> 273
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(194)
<223> similar to gi407139 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 273
```
gttacccact aaaactcttg aaggcatggg agcagttcat gctctccgag gtgaagtggt     60
cagcatcaag attcctttca gtggcaaacc agatcctgtg atcaccttaa aatgagaggc    120
aggactggct aggtgatgcc taaggatgat tcccagcctt gacatgctgg tattctcaca    180
tatcctatcc gtggctgata tagtctgtgc ggatgaaaat tccaaaaccg aagacaggat    240
ttcgcacttg ctaaagttgg agctcccagg cgctgagatc caatttgggc ctgggagagt    300
ggggagggag agcaatctgc ccagtgaagg agagctgcgc taaaggcaag gttttacttc    360
tttttatccc ttagcgaaaa gcccactgcc tctgaaagta gcacggtgtg gccacacgga    420
cacatggggg aagtcagtca gaggcgctcc aacagaacgg ccagaagccc ctttcctggc    480
ttaccaggca gcctcctcgt gccgaattcc tgcagcgcgg cggcgagggg tctatt        536
```

<210> 274
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(378)
<223> similar to gi1196433 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

162

```
        <400> 274
cagttgctaa aaaaacccaa gtataaatct aacaaaacat gtacaggact tcaattgtac       60
atgttttgtg gcagaaaact acaaaacatt gatgaaataa accaaataag atctaaataa      120
atggaaaaac atagtgtgtt tgtggattag aagattcaat ataataaaga agtcaattat      180
ttgccaattt acatagaagt ttaatgcaat tcctatcaga atcccagcaa gatttttgta      240
gatatagaca cgattattct aaaatttata tgaaaatgca aaggaaccag aatagctaaa      300
ataactttgt aaaagaataa taaagtggga ggaatcaatc tacctgattt caagatttat      360
tatagagctg tcgtatttac agagtgatag acacatagat caatgaaaca aatagagaac      420
ctagaaacag actcacaaaa atatgcccaa cc                                   452



        <210> 275
        <211> 421
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (74)...(420)
        <223> similar to gi4583537 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 275
attaagccta gccctagccc ttttaaggtg cactgtgtgg aacggcccag gctccccaaa       60
tctaaacttc tcactcttca ccatccagtt ttcaaggcac tgtgaagccc ctgatgcgaa      120
acagcagtta ccgcaggcca tggaggagcg ggcacagctg aaagcacatc tagggcaggt      180
aatggagtca gttagataac tacaaacgga gagagatacg tatgctgaaa atctgaaagg      240
agggagggcc atgtggtgtc agaggaagca acagatgtcg gagcagcagg gccctccaag      300
gtggagcagc agctacaagc agaggctgac cacctgcaga aggagctgga gagtctggca      360
gctccgagcc caggagcaag acactgaggg cttcagtcac ccgaaccagg aggtggagga      420
g                                                                     421



        <210> 276
        <211> 446
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (28)...(421)
        <223> similar to gi1334115 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

163

<400> 276
```
caaaaacata tataaatgtt tttagaaata gacaaatcca cgataatagc tggagatgtc      60
aacaccccctc tatcagtaac tgacagattc agcaagcaga aaatcaggag gatatagttc     120
aactgaatag taccatccat caactggatg tactaacatt aatagaatac ttcctctaac     180
aacagcagaa tatacattct tctcccactt gtatagaaca ttcaccaaat agaccacatt     240
ctgggccata tgacacacct taacaaaggt aaaagaatag aaatcataca aagcatgctc     300
tcagaccata atggaattca accagaaatc agtaacagaa agatagctgg aaaatcccca     360
aatacttaga gatctaaaaa cacacttata aataaacaca ggagtcaaaa aaggaattcc     420
accgcacgga ctactggtca tctatt                                         446
```

<210> 277
<211> 2139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(2139)
<223> similar to gi4887715 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 277
```
ggaattcgcc tgttggaggc tgggccagga cctgagggcc gagaggcatt ttctctgaac      60
agctcttcag gggagttgcg tgcgcgagtg cccttgact atgagcacac agaaagcttc     120
cggctgctgg tggggggctgc tgatgctggg aatctctcag cctctgtcac tgtgtcggtg     180
ctaatgactg gagaggatga gtatgaccct gtatttctgg caccagcttt ccacttccaa     240
gtgcccgaag gtgcccggcg tggccacagc ttgggtcacg tgcaggccac agatgaggat     300
gggggtgccg atggcctggt tctgtattcc cttgccacct cttcccccta ttttggtatt     360
aaccagacta caggagccct gtacctgcgg gtggacagtc gggcaccagg cagcggaaca     420
gccacctctg ggggtggggg ccggacccgg cgggaagcac cacgggagct gaggctggag     480
gtgatagcac gggggcctct gcctggttcc cggagtgcca cagtgcctgt gaccgtggat     540
atcacccaca ccgcactggg cctggcacct gacctcaacc tgctattagt aggggggccgt     600
ggcagcctcc ttgggagttg tggtggtgct tgcactggca gccctggtcc taggacttgt     660
tcgggcccgt agccgcaagg ctgaggcagc ccctggccca atgtcacagg cagcaccct     720
agccagtgac tcactgcaga aactgggccg ggagccacct agtccaccac cctctgagca     780
cctctatcac cagactcttc ccagctatgg tgggccagga gctggaggac cctacccccg     840
tggtggctcc ttggacccctt cacattcaag tggccgagga tcatcagagg ctgcagagga     900
tgatgagatc cgcatgatca atgagttccc ccgtgtggcc agtgtggcct cctctctggc     960
tgcccgtggc cctgactcag gcatccagca ggatgcagat ggtctgagtg acacatcctg    1020
cgaaccacct gcccctgaca cctggtataa gggccgaaag gcagggctgc tgctgccagg    1080
tgcaggagcc actctctaca gagaggaggg gcccccagcc actgccacag ccttcctggg    1140
gggctgtggc ctgagccctg cacccactgg ggactatggc ttcccagcag atggcaagcc    1200
atgtgtggca ggtgcgctga cagccattgt ggccggcgag gaggagctcc gtggcagcta    1260
taactgggac tacctgctga gctggtgccc tcagttccaa ccactggcca gtgtcttcac    1320
agagatcgct cggctcaagg atgaagctcg gccatgtccc ccagctcccc gtatcgaccc    1380
accacccctc atcactgccg tggcccaccc aggagccaag tctgtgcccc ccaagccagc    1440
aaacacagct gcagcccggg ccatcttccc accagcttct caccgctccc ccatcagcca    1500
tgaaggctcc ctgtcctcag ctgccatgtc ccccagcttc tcaccctctc tgtctcctct    1560
ggctgctcgc tcacccgttg tctcaccatt tggggtggcc cagggtccct cagcctcagc    1620
actcagcgca gagtctggcc tggagccacc tgatgacacg gagctgcaca tctagctgtg    1680
```
```
                              164
```

```
gcccaggctg ggccccgacc tgggatgcgc acagtgtccc caacgcaggc cccactctga    1740
gcctgccctg ggcagcctcg gactatgact ggctacgggg aggccaccac caggccccag    1800
ctctccaccc tgaactcccc agccccctca gagtactagg accacagaag ccctgttgct    1860
cactgacctg tgaccaggtc caatgtgggg agaaatatga aggaggtagc agccctgggt    1920
tctcctcagt gagggatccc tgccctgcac cagcaccctg agatggagct gagactttat    1980
ttattggggg tagggggatg gaggaggtcc ctccaacatg tttggaccca gctcctttgg    2040
gttccactga cacccctgcc cctgcccctg cccagaacca agtgccattt ctcactctgg    2100
agccttaata aactgcaatt tgtatccaga aaaaaaaaa                           2139
```

```
<400> 278
acacctcagt gctgcagatt ttgcaggagg ggactggagc caagccacag acttttctct      60
gttaggagat gggttcttgg agtgggtgtg gtgtctgacc atccggggag atggctgaag     120
ctggggatct gggaaggctc ccagaaggga ggtggcctgg ggaaccaggg gttcagtcct     180
tccaggatgg actggcttga tggtggcttt tcaagctcgt tctgttccca gccactgggc     240
atcctgtcca tcctggagga ggaatgcatg ttccccaagg cctcagacgc cagcttccgg     300
gccaagctct acgacaacca cgcggggaag tcacccaatt tccagcagcc tcggcctgac     360
aagaagcgca agtaccaggc ccacttcgag gtggtccact acgcaggcgt ggtaggtgct     420
tgctggaacc ccagccctcg gccaggctcc tcccgccctg ctccaggtct cccacccggg     480
ctcagcacct gacttgtctc tccaggtgcc ttacagcatt gtgggctggc tggagaaaaa     540
caaggatccc ctgaatgaga ccgtggtccc catcttccag aagtcacaga ataggctcct     600
ggcgactctc tatgagaatt atgcgggctc ctgctccagt gagtatggag ggacaagatc     660
tccactctga cagggcccca cagagcgaca ttccctggag tgaccaggcg aatgccaccg     720
cactggacta gtgtctacga gttagccgc                                       749
```

<221> misc_feature
<222> (75)...(626)
<223> similar to gi3882259 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 279
```
cgggacgctt aacgttgaaa cccttattga tagcctatac agtgaggagg aattctgctg      60
agctttctga ctttgaggaa tgcgaggaga cgggagagct ctttgaggag cctgcccccc     120
aagccctggc cacgagggcc ctcccctgcc ctgcacacgt ggtatttcgc tatcaggcag     180
ggcgtgagga tgagctgaca atcacggagg gtgagtggct ggaggtcata gaggagggag     240
atgctgacga atgggtcaag gctcggaacc agcacggcga ggtaggcttt gtccctgagc     300
gatatctcaa cttcccggac ctctccctcc cagagagcag ccaagacagt gacaatccct     360
gcggggcaga gcccacagca ttcctggcac aggccctgta cagctacacc ggacagagtg     420
cagaggagct gagcttccct gaggggggcac tcatccgtct gctgccccgg gcccaaagat     480
ggagtagatg acggcttctg gaggggagaa ttttggggcc gtgttggggt cttcccctcc     540
ctgcttggtt ggaagaactg ctttggcccc ccanggaaac ttgaactctc tggaccctga     600
acanatgctg gcgtcccctt cttcct                                          626
```


<210> 280
<211> 1270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (202)...(633)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 280
```
aagttcggca ctaggtggac gcccctatcc ctccatgctc tcgcagcccc actgatggac      60
ggttgtggaa ccactcccgg gcctcatgtt tacaaagaga ccgagagccc atcgtccagg     120
gtcacaggga tggcaggtgg cagagaggac acaaatgagt ctgcaaccct caatgtctga     180
aactcaatag ctggaagacg gataccccca gccctgccc  ctccccgagg tcccacctat     240
ccacctatgt taccgggggga ggggagaagt catagctgga actctggggg tttcccagaa     300
ccagccctgc tgactgcgaa cagcgtccca gcatggagag ctgagaaca gtacgtaccc      360
taagacctgg aaaagattgg ggcacaaatc cacgctcggc acagccatca cacacggcca     420
cacccagaga gccacccatg gcctgggaag cagggctgcc acccgcacct ccctgggctg     480
cccagatgag ggcgggtgaa cagaagggca gcccagggcc atgtgtcagg attcgggcca     540
cctgcccagg cagcccagag ctccacccac cacccccac  cctcaactgc acagcaggt      600
ccctcagcag cccccctgcgt cacacggacc aatgacctac acactgagcc ggggctcatg     660
ccaactgaaa attgggaccc ggcccagtct gccggtttag ttgctgagat gatgtgggga     720
gcgggacaga gcacgtggat gcagagaggc agagctgcca gatgggcatg tccccaagac     780
aacagcttcc ttgggatcag agcgcccggg acagcacacc agccaaggga agcgtgtcag     840
ctccaaaagc gggcctcggg cgttttgggc gactggctgc caggcttagg tcaggagctg     900
ggtacatgca cagacaaggg acgaaggaac agcagccagg aagggtcca  aatccataca     960
ggaatgtact ttgtgagaaa ggtgggattt cacagctgta agcaaaagac aggtgctctc    1020
```


166

```
gacaggtggg gctgagaaga aaactgagcc aagatctaaa aaaaaaatta catcagctcc   1080
atcccaccat gttacataat aacatgctcc agctggatca aagcttcaac catggaaaca   1140
agcaagcagt caaggagaag ccagaagaaa agctctggag gccgggcacg gtggctcatg   1200
cctggaatcc cagcactttg ggacagggtc ttgctctctc accaaggctg gagtatagtg   1260
gcccgatcat                                                          1270
```

```
        <210> 281
        <211> 456
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(457)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (456)...()
        <223> similar to gi3043708 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 281
cgcgccgttc cataagaaac catcgantga gggcgtacga acnaccagga gctgttnctg     60
tattttagg agacacggat gtgctgcctc cgttccatct ctgaaggagt ttcagaagcc    120
tgagcagccc actccaagga aaagccccta tggtcccct cccactggcc tgtttgatga    180
tgatgatggt gatgatgata acgactttt ctcgacaccc cacagcatac cttccaaaac    240
aggcaaagtc caatccactg ctgatatctt tggtgatgaa gaaggagatc tgttcaaaga    300
aaaagccgta gcatcgccag aagccacggt taccttacct tccagcaaaa atctcaagcc    360
ctcgtcagaa acaaacactc agaaaggctt attttaggat caggaggact ctgaggattt    420
gttttcttct caaagtgcga gtaacttaaa aggtgc                             456
```

```
        <210> 282
        <211> 1427
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (51)...(1427)
        <223> similar to gi3273699 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

<400> 282
```
attgtagaca ttagtcagtg cggtggaatt ctcagcccca cgtggaggcc ctggaggaag        60
ccctggctca gatccacata ataaacagtg ccctccagaa gcgagtggag gcagtggcag       120
ctgatgtccg gacattctcg gagggctaca ttaaggccat tgaggagcat cgggacaagc       180
tgctgaagca gctggaagac atacgggccc agaaggaaaa ttccctgcag ctgcagaagg       240
cccagctgga acagttactg gcagacatgc ggactggagt ggagttcacc gagcacttgc       300
tgaccagcgg ctcagacttg gagatcctca tcaccaagag ggtggtggta gaacggctca       360
ggaagctgaa caaagttcaa tatagcaccc gtcctggagt aaatgataag atacgcttct       420
gtcctcagga gaaagcaggc cagtgccgtg gctatgaaat ttatggtacg attaatacca       480
aagaggttga tccagccaaa tgtgtcctac aaggagaaga cctccacaga gcccgggaga       540
aacagacggc ctctttcacc ctgctttgta aggatgccgc aggagaaatc atgggcaggg       600
gaggagacaa cgttcaagtt gccgttgtcc ctaaagataa gaaagacagc ccagtcagaa       660
caatggtcca ggataacaag gatgggacat actacatttc ctacaccccc aaggaacctg       720
gcgtctatac tgtgtgggtc tgcatcaaag aacagcatgt gcagggctcg ccattcactg       780
tgatggtgag gagaaagcac cgcccacact caggcgtgtt tcactgctgc accttctgct       840
ccagcggggg ccagaaaacc gctcgctgcg cctgtggagg caccatgcca ggtgggtacc       900
taggctgtgg ccatggacac aaaggccacc caggtcatcc ccactggtca tgctgtggaa       960
aatttaatga gaaatctgaa tgcacatgga caggtgggca gagcgcaccg aggagtctac      1020
ttaggactgt ggctctctga tgggtttgtg ctcagccttt taaagctgca ggcagcacca      1080
cttgagattt ccagaggacc cagaccttcg ttcattctaa agagactgat agaattaaaa      1140
acaaagtgcc ttatcttgca ctggagttca agtgctcttt tgttattcac tgattgtact      1200
tgtggatggt tgagcacaaa aaaccacctc tacatttctc ttaaaggtag gttggcaacg      1260
ttcttttttct accacaggat actcctttc atttttgtaca gtatggaggt atctattcca      1320
ttggaactga agggtctagg tagtttagtt cctttctgat ataacccttt tttttttcttt      1380
gttttttttt ttaaaggaca gagtctaatt tgtgtccccg ggtgggg                    1427
```

<210> 283
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(464)
<223> similar to gi5817151 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 283
```
cccccttttga gaccatttga cagcgctgtg gaattcgttg ggaacacgcc cacacgctgg        60
cgatgaaatg catgagacca gaagatgtgt cagtgctata catcactcag gcccaggaaa       120
tggagaagca gggcaagtac cgtgaggctg aaaggtgagc cgtggcccca gaggaggtgt       180
agagggagat gagatttcaa ggctgggacg agggatgggg tctgaggatg tgtaccctct       240
gcccagaagg cagtgatagc aggggtcggg tctaggaggc cccagatgta tctccttccc       300
caggctatat gtgacagtac aagagcctga tcttgccatc accatgtaca aaaagcacaa       360
gttgtatgat gacatgatcc gcctggtagg gaagcaccat ccagatctcc tcagtgatac       420
acacctacat ctgggcaagg agctggaggc tgaaggccga ct                         462
```

```
<210> 284
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (112)...(844)
<223> similar to gi915207 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


     <400> 284
gcgcccagtt gcccgggcac caaatcggag cgcggcgtgc ggtagggccc agagcaggac      60
tggaaatgtc ctggccgcgc gcctcctgct cagatacctg ttcccggccc tcctgcttca     120
cgggctggga gagggttctg ccctccttca tccagacagc aggtctcatc ctaggtcctt     180
agagaaaagt gcctggaggg cttttaagga gtcacagtgc catcacatgc tcaaacatct     240
ccacaatggt gcaaggatca cagtgcagat gccacctaca atcgagggcc actgggtctc     300
cacaggctgt gaagtaaggt caggcccaga gttcatcaca aggtcctaca gattctacca     360
caataacacc ttcaaggcct accaattta ttatggcagc aaccggtgca caaatcccac     420
ttatactctc atcatccggg gcaagatccg cctccgccag gcctcctgga tcatccgagg     480
gggcacggaa gccgactacc agctgcacaa cgtccaggtg atctgccaca cagaggcggt     540
ggccgagaag ctcggccagc aggtgaaccg cacatgcccg ggcttcctcg cagacggggg     600
tccctgggtg caggacgtgg cctatgacct ctggcgagag gagaacggct gtgagtgcac     660
caaggccgtg aactttgcca tgcatgaact tcagctcatc cgggtggaga agcagtacct     720
tcaccacaac ctcgaccacc tggtcgagga gctcttcctt ggtgacattc acactgatgc     780
cacccagagg atgttctacc ggccctccag ttaccagccc cctctgcaga atgccaagtg     840
tggg                                                                  844




     <210> 285
     <211> 426
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (39)...(416)
     <223> similar to gi2072967 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




     <400> 285
gaaaagataa ttacaggcac aaatgtcctt gattaacaaa aatcctcaac agactactag      60
cacatcaaat tcgacagtac tttaaaagga ccatacagca tgactaggac aatacatcat     120
gtaccacaca tcatgggatt catctttggg gtgcaaggat ggcatgacat gtgaatcaat     180
taatgtgaaa cattacatta acagaatgaa gaataaaaat cacatgatca tttttaatgat     240
gcagaaaaag cgtttgacaa aacgtaatag tctttcagta taaaaactca aaaaactaga     300
ggtaaaagga atttacctct acataataaa ggtcacatat gataaactcc cagctcgcat     360
```

```
tatagcagat gattaaaaaa ctgaaagttt tcctctaaga ttaggaaaaa gatgaagagt      420
ctcccc                                                                 426




        <210> 286
        <211> 1693
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1694)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1)...(1693)
        <223> similar to gi2078441 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 286
atggatcaga tctctgaaag caaccaccta attcatctta gtagcactaa taatgtaaaa       60
ctcctatctg agatagagtt ccttgtgaac cacatggact tggccaaagg tcatataaag      120
gcccttcagg aaggagatct tgcttcttcc agaggcattg aggcctgcac caatgctgct      180
gatgcccttc tgcagagcat gaatgtagct cttcgaccag gccatgactt gcttctggca      240
gtcaaacagc aacagcagcg attcagtgat ttgcgagagc tttttgcccg gagactggcc      300
agtcacctca acaatgtttt tgttcaacag ggtcatgatc agagttcgac tcttgcccaa      360
cactctgttg aactgacttt acccaatcat catccatttc atagagattt gctccgatat      420
gccaagctga tggagtggct aaagagtaca gattatggaa aatatgaagg actaacaaag      480
aattacatgg attatttatc ccgactatat gaaagagaaa tcaaagattt ctttgaagtt      540
gcaaagatca agatgactgg cacaactaaa gaaagcaaga agtttggtct tcatggaagt      600
tcggggaaat taactggatc tacttctagt ctaaataagc tcagtgttca gagttcaggg      660
aatcgcagat ctcagtcatc ttccctgttg gatatgggaa acatgtctgc ctctgatctc      720
gatgttgctg acaggaccaa atttgataag atctttgaac aggtactaag tgaactggag      780
cccctatgtc tggcagaaca ggacttcata agtaaatttt tcaaactaca gcaacatcaa      840
agtatgcctg gaactatggc tgaagcagag gacctggatg gaggaacatt atcacggcca      900
ncataattgt tgggcacacc actgcctgtt tcatctgaga aagatatgat ccgccaaatg      960
atgattaaaa tatttcgctg cattgagcca gagctgaaca acctaattgc attaggagac     1020
aaaattgata gctttaactc tctttatatg ttagtcaaaa tgagtcatca tgtgtggact     1080
gcaacaaaat gtggaccctg cttctttcct aagtactaca ttgggaaatg ttttggtgac     1140
tgtcaaaagg aactttgaca aatgcattag taaccaaata aggcaaatgg aagaagtaaa     1200
gatctcaaaa aagagtaaag ttggaattct tccatttgtt gctgaatttg aagaatttgc     1260
tggacttgca gaatcaatct tcaaaaatgc tgagcgtcgt ggagacctgg ataaagcata     1320
caccaaactt atcagaggag tatttgttaa tgtggagaaa gtagcaaatg aaagccagaa     1380
gaccccagg gatgtggtta tgatggaaaa ctttcaccat atttttgcaa ctctttctcg     1440
attgaaaatc tcatgtctag aagcagaaaa aaaaaagcc aaacaaaaat acacagatca     1500
ccttcagtct tatgtcattt actctttagg acaacctctt gaaaactaa atcatttctt     1560
tgaaggtgtt gaagctcgcg tggcacaggg cataagggag ngaggaagta agttaccaac     1620
ttgcatttaa acaaacaaga acttcgtaaa gtcattaagg agtaccctgg aaaggaagta     1680
naaaaagggt cta                                                        1693
```


170

```
<210> 287
<211> 1927
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (99)...(1379)
<223> similar to gi1572721 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 287
cacggcaaga aaataataca cgaggggtcc cttcactgct gaagagcttc ctccaggagc      60
gactgggaat ccacttaatt cgaaggaaga tagtaaagcc taagcatcat gttttgatgt     120
ctcggaagga atcatggaag gtgaaaagcg aaatcccaaa ggtgccgaag cagcctctgg     180
tgctccatca cccgcgcatg acgacaacca agtctccctc aaaggatatg ctagagccag     240
aggcagagct ggctgaagat ctgcccacta ccaaaagcac ttctgtggag tcagagatgc     300
ccactgagaa cctggaaggc cattccccgt cttgccggac cttcgtgcca ctgcctccca     360
tctgctccaa ctccactgtg catagtgaag agaccctgtc ccacctgagt gacacaactg     420
tccgcctcag cccagagcgc ccatcagatg aggactccaa gagcacagag tccatcttcc     480
tgacccaggt gagtgaactg ccttcctccg tcatccataa ggatgattta gagttaaagg     540
agaaagacca aaagaaacca ccaacggcac ccagagaggt gaaagggact cggaggaaac     600
tcccaactgc cttccttccc agcaagtacc acggctatga agaactgctg acagccaagc     660
ctgatccagc cttcattgag ccaaagggaa tccagaagaa tgcacaagcc ctgcaacaaa     720
tgctgaagca cccactcctg tgccactcct ccaagcccaa gctggacact cttcagaaac     780
cctatgttca caaagagaaa cgggcccaga gaatcccgat tccacccccca aagaagacta     840
gagcccaact tctggatgac atcttcattc gcttgcggga tccccggaac attacagagg     900
ctccactagg tgctgtcctg caccagtgga cagaacggcg gctggtgaac cacaagcagt     960
acctggaggc caagaggctg ttgaaggagt tccaggcacg ttaccggcag ctggtgagtg    1020
gctctctgcg cacagtgttc gggactaccc cgctccccat ggcctgccca gcgctgagtg    1080
agagccagcc caagttcggc cacttcctcg agttcatgga tgagttctgc caggagccca    1140
cagccagtga ctcacaaggc tagagctgtg catgggggct gtgtgcacca cccggcctgt    1200
gccccagctc tccccgaggg ctctgtgccc tggaccgcac ctcaaggttg accagccggc    1260
cacaggcctc agagctcagc tgggccccac ttgctggcca caaggtggca tcccttgtc     1320
aggatctccc ctccttggcc caggcatgac ctggtgcctg gcccagcggc aataaagagt    1380
gggtgcacag ggcaatagac tgggtgccac atgcattctt tcttggaacc caggccacag    1440
cagcattgtc acacttccct ctaaaaatgg ttttccagtt cagatgcaac agggatacat    1500
ttgttctctg ttgtatgaga aactgacacc aaggggatct taacaaattc ctgaacaatg    1560
gctccaaaaa agggtatttt taaaaaccag atcttgtgag tacagcccta atgtgcaggg    1620
acagtgtcat cctgtatatt cgttctttac tcagactctt tcttggttcc ttcattagga    1680
gcatgaatgg ttgaatgtga acatgacagt aaattggagc aaactgtaaa ctggacataa    1740
cttatgccaa aagacgtagt tgtacaccat ggaaacccca tccctgctcc taatctctac    1800
tgccattctg aatgccaaag caagacatcc aacatggggc atctcccaga gcacatacag    1860
caccaaaaat ccacacacag cctaagctta acccatgttt ttgtcttgag attgttcacc    1920
agagaca                                                              1927
```

```
<210> 288
<211> 1125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)...(1109)
<223> similar to gi2894106 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




    <400> 288
aaacacacgc gtccgggccg ctgcgtcctc atcggattcc gacgcctgcg gagctgagag      60
caatgaggcc aattcgaagt ggttggatgc gcactacgac ccaatggcca atatccacac     120
cttttctgcc tgcctagctg gtggtagggg accttggccc tggtgggcag cagcccccgcc    180
tgaaggtgct caaaggacca ctggtgatga ccgaaagccc gctacctgct ctgccagctg     240
ctgctgccac cttcctcatg gagcaacatg agccccggac cccagctctg gcacttgctt     300
caggcccttg tgtctatgtg tataagaatc tcagaccctca cttcaagttc agcctgcccc    360
aattgcctcc aaatcctctg gaacaagacc tttggaacca ggccaaagag gaccgaatcg     420
acccccttaac cctgaaggag atgctggaga gcatccggga gacggcagag gagcctttgt    480
ccatccagtc actcaggttt ctgcagctgg agctaagtga aatggaggca tttgtaaacc     540
aacacaagtc caactccatc aagcggcaga cagtcatcac caccatgacc accttgaaga     600
agaacctggc tgacgaggat gctgtgtctt gcctggtgct gggcaccgag aacaaggagc     660
tcctggtgct tgaccccgag gccttcacca ttttagccaa gatgagcctt cccagcgtcc    720
ccgtcttcct agaggtttct ggccagtttg atgttgagtt ccggcttgcc gcggcctgcc    780
gcaatggaaa catctatatt ctgagaagag actccaagca ccccaagtac tgcatcgagc    840
tgagcgccca gcctgtggga cttatccggg tacacaaggt cctagtggtg ggcagcaccc    900
aagacagcct gcatggcttc acccacaagg ggaagaagct gtggacagtg cagatgcccg    960
cagccatcct gaccatgaac ctcctggagc agcattcccg gggcctgcag gccgtcatgg   1020
ctgggctggc caatggagag gtccgcattt atcgtgacaa ggccctgctc aatgtcatcc   1080
acaccccgga tgcagtgacc agcctttgct ttggccggta cggcg                   1125




    <210> 289
    <211> 654
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (12)...(635)
    <223> similar to gi3599478 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters




    <400> 289
cggcccatgc tgctggtgct gcgcaacatc aacaccgtgc gcgctatcaa cgtggccctc      60
ggcgcccccg tggaccgcta cttccttatg gctaaaaggg ctgtccgggg ctggagccgc     120
ctggcgggcg ccacgtatcg gggtgtctac ggcaccagcc tcctgcgcca cgccaaggtc     180
```

172

```
gtctgggaga tgctcaagtt tgaagtggcg ctcaggctgg agaccttggc catgcggctg    240
accgccctcc tggctcgtgc tctggtccac ctgagcctcg tgcccccagc ggaggagctc    300
taccagtacc tggagaccta gggtgcagcc gcccagggcc agcagggccc ttttcacctt    360
gggctgacgg aggtggcggg gctagaggtg tagacacccc gagccccgtg ggcactcgca    420
ctggggggct gtgacagcag ctgggccagg aggccgtgta atgaccacac actcctctca    480
agcaaaaaaa aaaaaagggg gggcccttt aagggaacca attttaatta ccgggggttg    540
gaaaggtaaa attttttta tggggcccca aaattaaatt ccggggccgg ggtttaaaaa    600
cggggggggg ggaaaaaccc ggggttccc caatttaaac ccctttggaa aaaa         654
```

```
          <210> 290
          <211> 1242
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (129)...(1181)
          <223> similar to gil79339 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


          <400> 290
caccacctgt ggcttcatcc agccctcctc ctctatcttt atctgccata ggccgcagcc    60
ctggccccct gtggattgag gtcccaagtg gtccagctgt ggggtttggt gctgggaccc    120
tcaatggcag ccggaaggtc cctctgaggc agaagctcaa gccccatggg gacagtggct    180
ccccagtgcc tggccctgag ccatttctgc tgtttcaggt gcccacatca ccctcatttc    240
ctcctcgcag tagccctgca ccgtggccag aaacccatcc acaggcaggc agtggctggg    300
gtccgggtgc cctgggctgt tgggctctgc ttcctccctc tgctccccca tgtctccctg    360
agttctccca cctttgctca tttgtaaaat gggcaggtca atcttcccac cccaccgtgt    420
gggctgcccc aacccaaat gtgcccaggg agggggggga acccaaggca caggcccgc    480
ccctgccccc aagcagcact gggctactgg ctcgcagaag cacctttggt tctgcaggtc    540
atgcccctcc ctgcagggaa gggaaagctg gtggtagagg ctgggcacag actgacgtcc    600
agaagaagtc ccttggccct gctagggtgg caccagactt ctctggtccc acaggacagc    660
cagtggcctc ccaacttggt tctgggcccc cgcctgcaag cgcacatggc ggggagggct    720
ttagcaggct cacataaccg agtggcaagg cccctgctcc cagaggctgg atttgaatga    780
actccgggcc tgtttgggga ggtgaagctg ccaggtgtgc acaggggcct cccaggctcc    840
tggctccacc agccaaggag gtgggggcaa gggtcagggc aatggggac aatgccgctc    900
agggtgcagt gagctcccct gggaaaaccg aagccagcaa gaccaggaga gggccacctc    960
actgggcctg cctcccccac ctcctgggcc tctctgacct cagctcctag accctggacc    1020
cttggctggg actcagcatt ttccagtctt tttcaggggt agacagggga gcctgggtta    1080
aactttacca ctgtgccctg gcccaggcat caccaacacg gcctccctgc agctgccctg    1140
ccaccgacag accccgatta aacccacacc tggccttggc ctcccctgct ctatgccttg    1200
catggttttt gcctcacttg gaataaaatt ccaactcctc aa                      1242


          <210> 291
          <211> 976
          <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(977)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (272)...(407)
<223> similar to gi4809337 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 291
gctttttgaga ggggggcttct gaagcccaga gaacttcatg ggccttggac gggctcagca   60
gagaggtcgg cctgaccacc ctggaccagt atgggtgcct atcggtaaag gccagctttt   120
ccacccagcc tgccactgtg gggtggggcc tgcctatacc cctgccctcc cagctgttct   180
ccttgcatcc agaagcccct gcctgatgcc tggtgagaag gccatggcca aggagggctc   240
ggccctgagg ctgtgtgtgg cctgtctccc tcctctgcag ggtttcagca gcctgaggct   300
ccggcccatt cgcacgctga gctctgccgt ggagcagctg aggggctgca gggtggtcgg   360
ggtcatcgag aaggtgagtg agtggacact cgccttgcag gagggagaca gtgtatgcaa   420
tttggggtgg cggtgggggag agagacatga tatgctgaaa gcaggtctgt agcagtggcc   480
cccactcctc cagaggaggt gggcaggggt cagtggggag tgcgagtgca gttgtttcca   540
gcagttccca cctctccccc atccctaaca cgcatgactt tggtcctggg tcctggggag   600
gaaaatgcag ggaacgggaa gaggctgatt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   660
nnnnnnnnnn nnnncaagca ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngata agataacata tatcatgaaa   780
gacaataaaa taaaatatat aaagaagagg cagacaggcc ctttccacag ccctgcagct   840
cagatccaga aaacctgctc cttgggagag ttgggacaga aactgcggga ggagcgagga   900
gctatgccca gggcaccctg ccagtcctcg aggccctgct caaacccact taaccgcttc   960
ccacagcacc tgtatt   976

<210> 292
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (72)...(825)
<223> similar to gi5174770 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 292
tttttttttt cttaaagctt attttataaa gctttttcat aaaactggtt gtagttgcac   60
agctactggg agggcagccg gggacacctg agccgcccgc tgtgcccaga tccctcaggc   120
tgcctgccat cagaactgct gcccgggggct tcccctacct cagacagacc ctccctggga   180

```
ggatcagtgg ggagtgccac ctctgccccc agtggctgtg gcacgtggca ggggcccctg      240
aagctcagcg agggtcaggg cctgggaggg tatcattgct ggaagaacag gatggggctc      300
aggccagccc tagtcgccgg ggcccacact aaccccccac ttatgaattc ctcccactcc      360
caactcacag gggatttccc gagaggggac ctgccaaaga cctcctccag gcctcccatg      420
cttcccggga agtgaagctt ctccccctct ggggcaggct ctgaagcctc ccgatgcacc      480
cagagcaacc ggggggctgc accagccact cgcctcccca gcacggccag gttcccgggg      540
ctggaggtcc cccccaggtc ctgggaacca acctgcagaa cacacacagg gtccctggaa      600
gaggacgcgg ggacttccag ggcccgactc ctgtgagtca cagccccgca gctgctgcgc      660
cacccccacc ctgactcatg ccccttccca gcagctcctc ccaggacccc atgtccttcc      720
cacatccgca ggaagggagt gcctggactc tccaggccca cctggggagc ccctcacctg      780
accaccagcc cctgagcagc ccagtaacac catccccgga attcc                      825
```

```
          <400> 293
ttgggagtaa agagcccgct cgcagcctgc atcgccgggg ctcgggacat aagtcatcgg       60
cggggaaatg gggctctgtc actttaagta cagctggagc cctgggatga aagcagctcc      120
atcagtagtg gactcagcga tgcctcagac aatctcagtt cagaagaatt caatgccagc      180
tcctcactca actccctccc aagtactccc actgcttctc gcaggaactc aacaatagtg      240
ctacgcacag actcagagaa gcgctcactg gcagaaagtg ggctgagctg gtttagtgaa      300
tcagaggaga aagcccctaa aaaactggag tacgacagtg gtagcctgaa gatggaacct      360
gggacttcta agtggcggag ggagcggcct gagagctgtg atgattcatc caagggtgga      420
gaactgaaaa agcccatcag cctgggccac cctggttccc tgaagaaggg caagacccca      480
cctgtggctg taacttcccc catcactcac acagcccaga gtgccctcaa agtcgcaggc      540
aaacctgagg gcaaagctac agacaagggt aagcttgcag tgaagaatac tgggctccaa      600
cgctcctcct ctgatgctgg tcgggaccgc ctgagtgatg ctaagaagcc cccctcgggc      660
attgctcgcc cctccacttc gggatccttt ggctacaaga agcctcctcc tgccacaggc      720
acagccactg tcatgcaaac tggtggttca gccactctca gcaagatcca gaagtcctca      780
ggcatccctg tcaagccagt aaatgggcgc aagactagct tagatgtttc caacagtgca      840
gagccaggat tcctggctcc tggagcccgt tctaacatcc agtaccgcag cctgccccgg      900
ccagccaagt caagttctat gagcgtgacc ggcgggcggg tggacctcg ccctgtgagc       960
agcagcattg accccagtct cctcagcacc aagcagggag gccttacgcc ttccagactg     1020
aaggagccta ccaaggtagc cagtgggcgg accactccag cccctgtcaa tcagacagat     1080
cgggaaaagg agaaggccaa agccaaggca gtggccttgg actcagacaa catctccttg     1140
aagagtattg gctccccaga aagtactccc aagaaccaag caagccaccc cacagccacc     1200
aagctggcag agctgccacc aacccctctc agggccacag cgaagagctt tgtcaaacca     1260
ccctcactag ccaatcttga caaggtcaac tccaacagtc tggatctacc atcatccagt     1320
gataccaccc aatgtatt                                                   1338
```

```
<210> 294
<211> 1714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1715)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (252)...(1665)
<223> similar to gi264 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 294
aggcgangnn nngnnnnnnn attgagancc ttgngnattg agcngcgttg cggancccca      60
tgcagagtgg tgcccacaaa cccccttcc  agagtcatct ctggtccacc ttgaagtccc     120
caggaaaatg acctcgtcct ccgcgggtgt gagccactag gcctgagagg acgccgggac     180
ggagctttca gagagggagg tgtcgggatg gcttgagggt caccaggtat taattaagca     240
cttgctgtgt gccaggcact ttcccacaca ggatggagcc gggccaccct cacagctcct     300
gccctgcaga cgctggcctt gtggagggag gcaggcagca ggagcagtgc tttctgggcc     360
tctgtagcca gagctggccc tgctgcagct tacgtctgcc tgcagcccag acgtcctcct     420
ggtcctcctg atgccccga  cctccacgga ggacgagcat ttccagccca gccctcccca     480
tcttcacctc gcactcccct gacacactgg gagcctcctg atccgtgaac ccgcgctggc     540
gggagtagct actgaccgct ggggacccct gcccaggctg ttcgcatgtg gaaaggattc     600
agggagcagg cgatgcccaa agcgtggaga ccagcactgc tctctcccca gtgacaggtg     660
cacgcccaga tcacggatgt gtcgggaaca gctgtgctcc tgctgctcag cgtccgtcac     720
tccaggctgg gagcgggtcc ccaagcttct ggctgggcct atccgtctcc actctcagtg     780
tgggggtggg gggcgccaac agcacgcatt tgctctctgc acttctcgtc tgataatggg     840
cagagggtcc ttctgcagcc ccaaaacatc cctaggcagg agccctgggg ccccaagcag     900
ccagggaggt gagcaccaag gacctcccag agagcgtcac cttccgtcga gggaggccca     960
gcctgggggc ggtgtctgag acttggaatc aacgcttccg ttggtggcag taaatcctgt    1020
ccctaacccct gcagtatagc tgtgccgtgt acaggagggt gttgtctgac gccagacacc    1080
tggactacag atcgcagcct gattcctggt cattgctcca ctgaaccca  gaccccagcc    1140
tcgttctggg ccctcatccc ctagatccag ggaccccagc cccatttcag cccttgggcc    1200
cttgtaggat gcgaggccct gggccccagc ccccagccca tccgtgttcc aggcactggg    1260
gggctgaggt cctctgagaa gggacacagg gcctggggggg ctctctcagc ccatcagcag    1320
gagaggactg actccagaaa aatcagcgtt tgtacccact caggctgcca agacctgtgt    1380
ccgtccttcc aagctcaacc ttcagagttc atgaggcgcc cttgccccag aatgtcccac    1440
agagttcatg aggccccttg aatgtccaca gagttcatga atgaggctcc ttgcccggaa    1500
tgtccacatt tgaaacctcc caacaccgag ccccatttca agtataacca ggagggaaaa    1560
tggtgcttga aataagcatg ccacaaagga aaacctgctt tctcgaaatg ggccctggcc    1620
gcccaggccc tgacctcccc ggccaggatg gaacgttcca gagacccatt agtgccaaag    1680
gcaaatgaaa acacaccctg tgaaaaaaaa aaaa                                1714
```

```
<210> 295
```

176

<211> 1524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1525)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(1335)
<223> similar to gi159714 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 295
ccccaccctt ctgggcccag gattacacac agccacgcga gggagacagc ctgccagcct   60
gctcagagca gcaccctggc ccccatggag ggcagctgcc cagaggtggc cgtcagggcc   120
cagagcttcc atctcacgtg tgcagagccc aggcctggcc ggactgggca ggagccctcc   180
agtgagcgtc cccatgctgg tcaaggggct gggctttggt cagggtcacc gtgggggagg   240
ggccgcacac aacccaccca cgctcccaca gagggagcca cgcctaggtg cccactgcgc   300
ccaagtccac gaggcagtgg gcgtgcaggg ccaactttaa tacgggccgg cctgtctggg   360
ggtcgaggtg gccgctccct ttgtccttgt ggctttccac gggcaggggc ggtcccagcg   420
agatcgtctc ataaccaaac cagccctgtg cacgagaagt cacgccatgc cccacagcct   480
ccggtcctgg ctgctggtgg ctcggggacc cgcagggcag gagggtcccg ggtctcgcag   540
ttccatgagc cccagccgcg gggacccca tggacaaact tccggggctg cacctgccgg   600
agcagcgtct cccaagcatc ggaggtcctt tctcagcagg gctgagccct agtggacaga   660
gccgtgagtg gcaaggcggg agtcagggct ctcggagtcg tcaattcagc aagaaagccc   720
ctggcccgcc accttcaaac tggaggtggg tgtctagggt gcggaggcag aggcacagag   780
aggttcagca catgctggtc tcctggggat cccccacca gcagggaagc tgaggtgcgc   840
cgggaagcca ggccaaggga gggacccctt aacggaagcc tgcaccagct aatgggagca   900
gcgaggagca agaggaagcg cggggacccc aaggtctgga ggtgtcttcc tcacagacga   960
gcgcgagcca cgcggggctg ggactgcagg ggaacagcac cagaggcgtt gggcctgggc   1020
ctcggccacc ggnggagccc acaaccggca gaagctgggc tcggtcgaga gttaatccgg   1080
actgagagca ggccagtggc gcctgagtgc gttcaggctc aaggtctcca ggagacgctc   1140
tggagtcctc ctgcaatgcg cctgcgtggc tgcagctctg ctcagcaccg tgcgcactgg   1200
gctccaggga acccggtcag gggctggccg tgacccaaac tctctgtggg ccacagtccc   1260
tggggcatcc ccgtgagtcc cacaagacga ggccacgtta cgaagctgcc accagctccg   1320
cctgcctggg cctggccttg acaggacgt tttctgtgga ggaaacagag atgtttatga   1380
cacgccaaag acccacaggc agagacctcc agagagggac gaggccacag gggtggcaag   1440
ggccagttcc ggggacttcg cactatggaa gggcacgccc agctctgggg gaggcaagtg   1500
acaaacagga agccaatggg gctg   1524

<210> 296
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
<222> (1)...(490)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(433)
<223> similar to gi1045574 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters




   <400> 296
ccatcctgtt cgagcccaac cagacctggc ccgggcacgt ggctgtgtgg caggacacgt    60
gctccatcgt ggccatcttg ctaacatcac gcagaaggtg caccccgtca tctgatctct   120
caccagctac cctttgactg cacccaggct ctggccgtac ccaagcccat aggtggggtg   180
gtggtctttg tcgtcagctc gctgttatac ctgaaccaga gcattccccc gtacggtgtg   240
gctctcagca gcctcaccac aggcaccgca gctttcccgc tgtgcaccca gctgggtgtg   300
tgaatcaccc tggactgcgc ccaggccacc ttcatctccc atgacaagat ggtcatctcc   360
ctcaagggca gtcagatcta catgctgacc ctcatcaccg atggcatgcg tagcgtccga   420
gtgttccact tttagaattc cnccacactg cctagaggtc tcgatgggnn tctatnncgg   480
gggcgcgcg                                                           489




   <210> 297
   <211> 777
   <212> DNA
   <213> Homo sapiens

   <220>
   <221> misc_feature
   <222> (251)...(777)
   <223> similar to gi409219 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




   <400> 297
agggtacaga gggcaagggg agctaacggt gctcaagccc acaccctaca tcctcacatc    60
aacccccctga aggagtgtcc agcacagtcc acagcctccc tgggcgattc tgggttcctg   120
gctgggccac ccagagccag gactgggctc caggtgcagc caaggtgctg tccctgcctc   180
gatgtccccc attatcttcc ccagactaca acacggtgca gactgtgggc atgactctgg   240
caaccatctt gttcctgctg ggtatcctca tcgtcatcag caagaaggtg aagtgcagga   300
aggcggactc cagcccaacc tgcaaatcct gtaagtctga gcttccctct tcagcccctg   360
gtggcggcgg cgtgtaacac cttcccgagg aaactccgct gccgaccctg cctgagcgcg   420
ggagcctgag gaccgggtgg aggcggtggg gacccagccg cgcgccggga gcgctccccg   480
gaatgagccg ccccacccac cccaaggctg gagccgctgc accctgctgt ccctctccag   540
gccttggcaa tgacgatccc ccaaagagcc cgtctgcacc ccagacccag ggcctcaggc   600
ctccagctcc tgggatccgg gagtccatcc cggcccagca cccccagcat ccccgtgtat   660
ggcccccctg cacctccttg tctcatcccc gaagatccgt cccccctggcc cctcagtgtc   720
catgtcttga gcttaataaa tgtgcatttg gtttttttcct ttgaaaaaaa aaaaaaa     777
```

```
<210> 298
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(416)
<223> similar to gi5834784 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 298
cctgggtggg gacgatcctg ccaaaagggg ggtgcccagg gtctggactg aagaagctgg    60
atgatgtctt cccaagattg ccgggggccac gagtcaggaa tcgtcatgga gagaagccaa   120
ggaaatagct ccagccgccg aggaccacac tctccgctca gccctctcga ctcatcctcc   180
ggctgcagta gagggcgagc gggctccgct tttgttccct ggggctggca ggtccgtgtg   240
gggccagggc gcgcgggaga cgccgcggag ctgggtatcc cggagagggg atgctcactc   300
ctagcggctc cgctggcagc agtagtggcg gtggcagcag aggcagcggt agcaacagca   360
gcagtagcag cagcagcagc agtagagata gtgccggctc tctgcaggcc acgaattgc    419
```

```
<210> 299
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(445)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 299
tcctgaaaca tttcttcaaa gaattacaga gaattgtaat ggagatgaaa tatggctttta    60
ccagtgtgat cctaaagaca aagcagagtg aaagtgatgc ctaccaagaa acggagtggc   120
tccagtcaaa gcaaaagcag accagtcaag agcaaaggtc atagcaacag tttttttttg   180
aatgctcagg gcattttgct tgctgacttt ctttaggacc aaagaatgaa aacatctgct   240
tattacaaga gtgttttgag aaagttagct aagatgtagc agagtaactc ctgggaaagc   300
ttccccagag attcctccac cataatactt ctactccttc ctctcatcag acgagggcaa   360
tttttcgaga gtttcaatgg gaaatggtta ggtatccacc ttacagtcct gattgggccc   420
```

```
<210> 300
<211> 1218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1212)...(277)
<223> similar to gi4960163 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 300
gggatcaatg gagcccagga cttttgaggc cagcctgggc aacatagcaa gatcccatct     60
ctacaaaaga atagaaaaat tagccccagg agtatagctc aggggtagag catttgactg    120
caaaaattag ccaggcgtgg agatgtgtgc ctctagcccc agctactcat gaggctgagg    180
caggaggact gtttgagcct gggaggtgga ggctgcagtg aactgtgatt gcagtccagc    240
ctggatgaca cattgagacc ctgtctctaa aaaagaagga agcccagcgt tcccttctct    300
ctccacttcc tgtccccatt gctgtccctg gagtacgggc agcacaggtg aaggcgaggg    360
ggacagacag acagcctgcc cctccgtctc ccgtggccct gcagcccacc ctatctgctc    420
caggttctga agaaggcctt ccaggccacg ctcaggtggc tcctgagctc acccaagacc    480
cccggctgct ctgatctcgg ccccctcatc ccgcagttcc tcagagagct gttccctgtg    540
ctgcagaaac gcctgtgcca cccctgctgg gaggtgaggg actccgccct cgagttcctg    600
acccagctga gcaggcactg gggaggacag gctgacttca gatgcgcact cttggcttca    660
gaggtgcctc agctggccct gcagctcctc caggaccctg agagttatgt ccgagcgagt    720
gcagtgaccg ccatgggcca gctgtccagc cagggcctgc acgcccccac cagccctgag    780
catgcagagg cccggcagag cctgttcctg gagctcctgc acatcctctc cgtagactcg    840
gagggcttcc cacggcgggc ggtcatgcaa gtcttcactg agtggctgcg ggacggccac    900
gccgacgcgg cccaggacac ggagcagttc gtggccactg tgctgcaggc ggcgagccgg    960
gacctggact gggaggtccg cgcccagggc ctggagctgg ccctcgtgtt cctgggccag   1020
actttggggc cgccgcgtac ccactgcccc tatgccgtgg ccctacccga ggtggcccca   1080
gcccagccac tcaccgaggc actgagggct ctctgccacg tggggctctt tgacttcgcc   1140
ttttgtgcct tgtttgactg cgaccgccct gtggcgcaaa agtctgtgac ctgcttctct   1200
cctgagggac aagattgt                                                  1218


<210> 301
<211> 1087
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1088)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (1087)...(270)
<223> similar to gi3044086 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




     <400> 301
ttttttttta gcaatatata tatataattt atttacattc acgcccgata aaacccctat     60
gtgccccggc ggccggcaaa ggctgtgtac ataaggccaa gagtaagtgc gtgaatgcac    120
ttaagacaaa gtcaaggaca cgagcttcac atgacaggcc ccgcgtgggc gacccagcca    180
gaccctgggg acgggcacgc cacgccacac acacactcac cactgtacag cctgggactc    240
ccattgcata ttcacaggcc ccgccgggca gggcacctca aggctggggg aggggcaggg    300
gcagggagga gccgtggggt gtccctgggt gggtggagag ggcagcatgt gagaggcaaa    360
tgtgcaccaa cactgggcgt gagacgtgag cagcctcagg tgtacggcat gagatgtgtg    420
tggttggggg gtgtctgcgt gacccgggag gggggtgtgt gtgagatgag cacacgaggc    480
atgcgtggca cgtgctcgtg tggtggtcgt gtgcctgaat ccagggggcta cccccctgtcc   540
ggctgtggcc ctcggtcctg caggcttgga gcagggcccc tcagacgtgc ccctacccag    600
caggcacaga aatgtttgca taaggtccag ctcaggcagg agctctgggg ccctggccca    660
ggcccagtgt gtgcgtgcat ggccgtgtgt atgcggggcc cctggagagg gacgggagga    720
gaggtagcat cacacgcaca tacacataca cagatgggct gggcctggcc caggctccag    780
gcactgtccc tcctgggccc tggggccgag tgtgagtggc agtgccagcc tggctaggca    840
ggccatggag aggtgggagt tcgggcaggg tctgaaggac cagcattaag ggacagcttc    900
ggccgggagg gggcctgtcc gagcagctct ccccggtgtg gggaagggcc cctgtccggc    960
ttctgcctgt ccttggtggg tgccaaagct ggtgagagtg taggtgtcgg gcctggccgg   1020
cctcagcgct cagtgacttc nccnctcggc ctagggtcta cgattctcaa ttnnnnnggg   1080
cgggggg                                                             1087




     <210> 302
     <211> 1243
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (1)...(1244)
     <223> n = a,t,c or g

     <220>
     <221> misc_feature
     <222> (1243)...(55)
     <223> similar to gi57829 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




     <400> 302
agcggccgcc cggggccccg ccccccagga aagcctccag ctcatcggca gccgtcctct     60
ccctgctgcg cggggggccgc tgctgccgcc gtcgccgctc ctccttgccc tcctccttgt    120
ccttgctctt cttgtgtttg ctcttcttct tggcagcttt ttcttcttcc tctttgcctt    180
```

181

```
ttttcttctt cttcttattc tccttagagg gggtttttgcc ctccttacct tcctcactgc      240
tctccttggg tccggcctcc tccagcccca gcccgaagag gtccgagtca ttcttcagtc      300
tgaaggcggg aagagggagc ttggggggtg ggggcggctc ggcagggccc tcatcctcgt      360
cagtcacatc ggaggggtca tctcgcacgg gaaagtcatc cgccctgcgc tgtgtgtctg      420
atccctcgct ctcaaagtcg gggtcatcca tgacgaagga cagcatttgt gcagcaatgg      480
gtccctcggg gtcactctcc gacgaggagg cctgctcacc cttccccggc tccatctcag      540
caggggcct ggtgctgctg cgcttctccg gacctgtgcg aacagagaca ccgcctggcc      600
aggggggtgc tgcggtcctc gtgggagctg tcccctccg tggcttcgaa gctggtatgg      660
aggaccactt ggtctctggc tctgagcact gctggggagc tgggcaggg ccttttgtgg      720
gagctgccac ttctgcttcc tcctcactcg aaagagtgat gtcttgactg gggacggggc      780
ctgcaggcag cggggggactc ccacgtggct ggtcttcgag gtccacatcg tcctggaacc      840
ctgccaccat cgggttgccg cccagggcct ccccatcact gtcgctgtcc tgctgggcag      900
ccttggcccc caccttcttc tcgtccctgg cggggggttgt gtcttccagg aagctgcggt      960
ccaggcggtc gtcaggaaca aagtcctcca cactctggac cgttgctggg ccctgtgcgg     1020
ccgggactgg ctctggaggt ggaggggctg cctcggtggc aggtgacgtc ccaaacagcc     1080
tagagatgat gctgcgccgt ggggcggggg ctgaggggca cgcaggtggg gacagggcct     1140
ctgagggtgg tacagggggc acagaggatg gtggggcagc gaattccncc gcnctgggct     1200
atggtctcga gggtttcaat nnnnngnnnt cttctcgaac gcc                       1243
```


<210> 303
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1090)
<223> similar to gi2047346 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 303
```
gcggccgcgg aggaggtgcg gccccaaggg gaggaggtgc ccgctcaccg cagaccgccc       60
gcggcagagg ccgccccggt cgcgccgcgg cgggagcggc cggtggaggc tgcgcggccg      120
aggggggaggg ccggggggagc ggacgtcgcc tctgctggtc tcccacctcc cgccgccccc      180
cgcccgcagg ctcccaagcc ttagtcggcg ccgagcatcc cgctgccccg gaccctcccg      240
cgggcgcgca ccaggctcaa ctcaggctca ggactgcagg tagacatctc cactgcccag      300
gaatcactga gcgtgcagac agcacagcct cctctgaagg ccggccatac cagagtcctg      360
cctcggcatg ggcctcacca ttgaggcagc tccactgtct gtgctggtct gagggtgctg      420
cctgtcatgg gggcagccat ctcccagggg gccctcatcg ccatcgtctg caacggtctc      480
gtgggcttct tgctgctgct gctctgggtc atcctctgct gggcctgcca ttctcgctct      540
gccgacgttg actctctctc tgaatccagt cccaactcca gccctggccc ctgtcctgag      600
aaggccccac caccccagaa gcccagccat gaaggcagct acctgctgca gccctgaagg      660
cccctggcct agcctggagc ccaggaccta agtccacctc acctagagcc tggaattagg      720
atcccagagt tcagccagcc tggggtccag aactcaagag tccgcctgct tggagctgga      780
cccagcggcc cagagtctag ccagcttggc tccaatagga gctcagtggc cctaaggaga      840
tgggcctggg gtgggggcttt atgagttggt gctagagcca gggccatctg gactatgctc      900
catcccaagg gccaagggtc aggggccggg tccactcttt ccctaggctg agcacctcta      960
ggccctctag gttggggaag caaactggaa cccatggcaa taataggagg gtgtccaggc     1020
tgggccccctc ccctggtcct cccagtgttt gctggataat aaatggaact atggctctag     1080
aaaaaaaaaa                                                            1090
```

```
<210> 304
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1042)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (87)...(1041)
<223> similar to gi2317964 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


        <400> 304
tttttttttt ttttctgtag tacgcgtttt atttagaacg ccatcctttg gcgagtaggg      60
gggtatgttg gaggcgtttt gcagcgcctc ctgcctggga gccaggcgat ccgccaggtt     120
ctgggaggac ctaaggtcaa cagccacgcc tgctctctgg gctcacagtc agcagccgct     180
accaggagag caagtcctca gaaggcccga gaccagggcc cgggagcgcc cacaaggacg     240
ggaggtcacc cagtgacaaa cagggaaggg cagcaggtgc gcccaggaac ccagaggctc     300
ccagagcaga agtgggatgc aggggtgggg gcgggtcatg ctgaggttca acagggacct     360
gcttcctggt tcaacaggga gctggccaga gagagggatc tgctgaggct tctgtttaaa     420
aaccctggcc tgggtgtggg tgcaagtgga tttgcaggtg cagtgaggca gcggccggag     480
caggctgttg cacgaagacc caggaaagtc agggtggttt gatccaggca gaagaggggg     540
aaatggagcc tggggcagac gtaaaggtgc tggggtgagg ataagggtga caggagggag     600
gagtctgggg tgaccaaggc ctgcagctca ggtgactggg aaaaaacata aaacagaaca     660
cagatgaatg caggggtcgg gacgaaggct cctgtgagtc tgaagtgact gtgagtggca     720
ccctctggcc agccacagtg gctctcacag ctcattctgc agagcaccgg cccagtgatg     780
agccgaggaa gtgcccctgg aggtcagctg gatctgccca gtggtctgca caggggggcgg     840
ctgccagggg cctgagcaca gggaaaccct cgaaactgtg ggagggatga agccagagag     900
gtagacccca gaaccgacca agcccagcat ggggcgtgga gggcggccaa gctcaagaag     960
accatgagat tgggaattcc gccnctctga ganggntatc aatnnnnngg naggggggtcg    1020
aaggggggg gggctggggc g                                              1041



<210> 305
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (292)...(72)
<223> similar to gi807677 in the genepept database release 114,
```

<400> 305
gcagttttgc agtcatttat atctacttta aacacatgca gattaagggg tgatttgtgc   60
aaaaatttct agggaatggg taataacttt tgggtcatcg agtcaatgcc atggaagaga   120
gggggggataa cccccctggtg ttgcgatggc aacggtaaac tgacatggca actgatgagc   180
gtgtcttacg gaaagctcat tccaccccag ccctgtttca gctagtcctc aatttggtcc   240
agtgtccgag ccctgcctct ggagtcaagt cccacctcct acctcataaa gagagacata   300
aatcaatgga atagaatcga gagtccagaa ataaactcat acctcgatga tcaattgatt   360
ttcaacaacg gtgccaagac cattcagtgg gggaaagaat catattttca acaaatggtg   420
ccagataacg acatccaaag gagtgcaact gggcccctgt ctcacaccat ctacagaaat   480
taagtcaaag tgcctcaaac actaagagct aagactataa cattcttaga agaatacagg   540
gttacctctt tatgatcttg atttggtaat tgattttttag ataacactaa aagcacaagc   600
aacaatagga aaaaaaaaaa gtaaatttaa cctcatcaaa atttaaaatt tttaggctgg   660
gtgcaggggc t   671

<210> 306
<211> 1771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1730)
<223> similar to gi4868443 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 306
cttgggccga gggacgtttg ggcaagtggt ttagtgctgg aaacggggca ccaatgagat   60
cgtagccatc aagatcctga agaaccaccc atcctatgcc cgacaaggtc agattgaagt   120
gagcatcctg gcccggttga gcacggagag tgccgatgac tataacttcg tccgggccta   180
cgaatgcttc cagcacaaga accacacgtg cttggtcttc gagatgttgg agcagaacct   240
ctatgacttt ctgaagcaaa acaagtttag ccccttgccc ctcaaataca ttcgcccagt   300
tctccagcag gtagccacag ccctgatgaa actcaaaagc ctaggtctta tccacgctga   360
cctcaaacca gaaaacatca tgctggtgga tccatctaga caaccataca gagtcaaggt   420
catcgacttt ggttcagcca gccacgtctc caaggctgtg tgctccacct acttgcagtc   480
cagatattac agggcccctg agatcatcct tggtttacca ttttgtgagg caattgacat   540
gtggtccctg ggctgtgtta ttgcagaatt gttcctgggt tggccgttat atccaggagc   600
ttctgagtat gatcagattc gtatatttca caaacacagg gtttgcctgc tgaatattta   660
ttaagcgccg ggacaaagac aactaggttt ttcaaccgtg acacggactc accatatcct   720
ttgtggagac tgaagacacc agatgaccat gaagcagaga cagggattaa gtcaaaagaa   780
gcaagaaagt acattttcaa ctgtttagat gatatggccc aggtgaacat gacgacagat   840
ttggaaggga gcgacatgtt ggtagaaaag gctgtccggc gggagttcat tgacctgttg   900
aagaagatgc tgtccattga ttctgtcaag agattctctc cagtcggatc cctgaaccat   960
cccttttgtca ccatgtcact cttttctcgat tttccccaca gcacacacgt caaatcatgt   1020
ttccagaaca tggagatctg caagcgtcgg gtgaatatgt atgacacggt gaaccagagc   1080
aaaacccctt tcatcacgca cgtggcccccc agcacgtcca ccaacctgac catgacccttt   1140

```
aacaaccagc tgaccactgt ccacaaccag ccctcagcgg catccatggc tgcagtggcc    1200
cagcggagca tgcccctgca gacaggaaca gcccagattt gtgcccggcc tgacccgttc    1260
cagcaagctc tcatcgtgtg tccccccggc ttccaaggct tgcaggcctc tccctctaag    1320
cacgctggct actcggtgcg aatggaaaat gcagttccca tcgtcactca agccccagga    1380
gctcagcctc ttcagatcca accaggtctg cttgcccagc aggcttggcc aagtgggacc    1440
cagcagatcc tgcttccccc agcatggcag caactgactg gagtggccac ccacacatca    1500
gtgcagcatg ccgccgtgat tcccgagacc atggcaggca cccagcagct ggcggactgg    1560
agaaatacgc atgctcacgg aagccattat aatcccatca tgcagcagcc tgcactattg    1620
accggtcatg tgacccttcc agcagcacag cccttaaatg tgggtgtggc ccacgtgatg    1680
cggcagcagc caaccagcac cacctcctcc cggaagagta agcagcacct gtattgcggc    1740
cgcgctagag tatccaagat tgcgtctcgc t                                  1771
```

<210> 307
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(392)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 307
```
cattcaaaac agtatggtac cagtataaaa ccagacatat aaactattgg aacagaagac     60
agaacctagt aataaaccca cacatgagga caagtgagtt ttgacaatta tgccaagaac    120
acacagtgaa gaaaagataa tctcttcaaa taaatggtat tgggaaaact agatatccac    180
atgcagagga atgaaattgg acgcttatct cacactgtat ataaaaatca actcaatatg    240
aattaaagat ttcaatgtaa gtccttaaac tacaaaactc ttagaagaaa acagggaaaa    300
agcttcttga cattggcttt ggcaatgatt tcttggatat gacaccaaaa gcacaaaacc    360
acaaaagcaa aaatagataa gtctgattac g                                  391
```

<210> 308
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(571)
<223> similar to gi2723316 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

<400> 308
```
aaaaatctta caaaagtgaa gaatgtggca aagcctttat ccaggcctca actcctagta        60
aacataatta atgatggaga gaaaccatac aactgtgaag aatgtggcaa agcttttaac       120
caggcctcaa actttattga acaaaataat tcatacagga gagaaaccct acaaatgtga       180
agaatgtgac aaagccttta accagtcctc aatttttact aaacataaga aaattcatac       240
tggagagaaa ccctatgatt gtgaaaaata tggcaaaggc tttaactagt cctcagttct       300
taacacacat acgataattc ttactgcaga gaaactctac aaaccagtaa gatgtgacag       360
tgcttctgac aacatctcaa actttttctaa tcataaaaga aatcatattg gtgagaaatc       420
ctagaaatgt ggagaatgta acaaagtatt taaatggttg tcacacttga ttataggtaa       480
tattcatatt ggaaaaattt cctacaagta agaacaatgt ggcaaagttt ttaactaata       540
caccttattg cacagaaaat catttatatt tgagaaaaat tgtagaaata               590
```

<210> 309
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(910)
<223> similar to gi2317934 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 309
```
cgtccaggga gcactgccca caggccgagc cggggcctcc cgcaagagga aggaggtgcc        60
ctcaaggcta cggacctggg gtcccggtgg tggacgcccc atggggctca ggcctaaaga       120
ggccgagagg gcctcgggga cccagtgcat gccccacgct gagcagcaca ggctgcccca       180
ccgtgggctc cccgatctct ctctggatca ccgagacctc gcagggaggg tcatcagggg       240
cgccaggccc agggccacca cagtggaagg tctccccttc cccaggcacg taatcttcca       300
ggtcagccag tgtcagcatg cggccgttgt gcgtgaggat cttggggtca cgatccccaa       360
ggctgtgtgt gtcctgggac tcctccgtca caaaggcgtc tccgtcttcc ccctcttcct       420
ctcccgcctc ctccatggtg ccctcctcct ccaggctgcc catgccagaa gcagcccagt       480
ccacactgcc tctggcatcc acgcggaaga caaggggctc tctgacgccg accatggctg       540
tgccctgggc ccaggcctcc tgggccagca gcttgttgtt ggagttgttg gaattggggt       600
cccctccggg ggtcgcaccg ggcagtgtga agagatgccc cgatgagctc ctgggcacct       660
ctgtggtggg agacacaccc tgcgggccca tcttcttcac ccggacttca atggtctcct       720
ccacctccac ccacttgggc tggggccccg agagtccggg cagagctgga gagtgggcct       780
cggcctccgt cacatacagt gtgggcacca cgggcttctg gcctggttct gcctccggcc       840
tgcggggctg gccagcacct ggcaggtaca gcaggtcggg ggccagtagg cctggcctca       900
gcgggctggc agagca                                                     916
```

<210> 310
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(782)
<223> similar to gi4185939 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 310
tttttttgag caactgatgg ctttatttac ccaattgcaa acagcagtca ggagtagaat   60
gcatcctttt tacatcactc acattagggc tcatacacct cttccaggac ctttaactga   120
agggaatcaa atggctgacc gcctaattgc taatgcaatc tcaaatgcta gacactttca   180
caatttaacc catgtgaatg cctctggtct caaacgcaga tgcagtatta cctggaaaga   240
agctaaagct attatccagc gatgcccaac ttgccaaatg gcccattctt catcttttac   300
aggaggagtt aatcctcgag gattggaacc taactctgtt tggcaaatgg atgtcacaca   360
tcttccctcg tttgggagac tagcttatgt acatgtatgt gtggacacct tttctcactt   420
tgggctacag gccaatcagg agagccttct gcctgtgtta aatgtcacct cttgcagtgt   480
tttgcagtga tgggcattcc agcttctatt aaaacagata atgccccagg ctatcctagc   540
caaactctag ctacattttt ctctttgtgg aatattaaac acattactgg tatcccatac   600
aattctcaag gacaagccat agtggaaaga atgaatcttt ccctaaaaca gcagttgcaa   660
aagcagaaag ggggagacag agtatatgga accccataga tgcaactgaa tctagcatta   720
ttaactttaa attttctgag cctgcctaaa ggccagatgc tatcagcagc tgaacaatat   780
c   781

<210> 311
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(649)
<223> similar to gi498152 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 311
tggggcagag gctgcggagc cccaggagga tctgcctccg ctttcacagt cctccagatt   60
tttccaagag cagcagaaaa tgaataaatc cctggggcca gtgtcattca aggacgtggc   120
tgtggacttc acccaggagg aatggcagca gctggatcct gagcagaaga taacttacag   180
ggatgtgatg ctggagaact acagcaatct agtttctgtg gggtatcaca ttatcaaacc   240
ggatgttatc agcaagttgg agcaaggaga agagccatgg atagtagaag gagaattcct   300
acttcagagc tatccagatg aagtctggca aactgatgac ctaatagaga gaatccagga   360
agaggaaaat aaaccttcaa ggcaaactgt gttcattgag accctgatat gaagagacga   420
ggtaatgttc ctggtaacac ttttgatgta gaaacgaacc ctgttccttc aagaaaaata   480
gcctatacac atagcctctg taactcatgt gaaagagtga tttaacgcct cttcagaata   540
tattagtagt gatggacgct atgcaagaat gaaagctgat gaatgtagtg gatgtgggaa   600
atcactcctc catattaagc ttgagaaaac tcatccagga gatcaagctt atgaatttaa   660
tcaaa   665

```
<210> 312
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(692)
<223> similar to gi1334643 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 312
gcggccgccc ccggccccgc gcccctgcc ccggaggcga cccttccgcc ggcctcggcc      60
gcgggggaagg actgggcgtt catcaacacc aacatctttg ccaggaccaa gatagacccc     120
agcgccttgg tgcagaagct ggagctggac gtgaggagtg tcacttccgt caggagaggt     180
gcagaggcca agaccgtttt gcccaagaag gagaaaatga agctgaggcg tgagcaatgg     240
ttgcagaaaa tcgaagccat aaaaactggct gagcagaagc acagggagga gcggaggcgg     300
agggccacgg tggtggtggg ggacctgcac cctctcaggg atgccctgcc cgagctgctg     360
gggctcgagg ctggcagccg gcgccaagcc cgcagcaggg agagcaacaa gccccggccc     420
tcagagctca gccggatgag cgcagcccag agacagcagc ttctcgagga agaaaggacc     480
cggtttcagg agctgctggc cagtccggcc tacagagcca gcccccctggt ggccatcggg     540
cagacgctgg cccggcagat gcagctggaa gatggcggcc agctctgacc agggcagcgg     600
gcatgccaca actcctcagg acacatgtgg gccaagtaga gagcgccggc ccctcaagga     660
ccatggcctg agcctggtgg acgcccttcc ctctggtcgg ttgtggggct caataaatgg     720
ctctgtgaac ttcccctgca ctgccagggc cgttcccaaa aaaaaaaaa                  769



<210> 313
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (340)...(669)
<223> similar to gi1780975 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 313
ttatgacgta tgtacgactg gcgcagagcg acgaggtgac aggagaatcc gtaccctact      60
gcaccccctc attattattg tgaagaaaaa gagtggcctg accctccaga tctttctttt     120
ccagaggaca gtgggcaaaa attagttgcc ccagtgactg ttcaagcagc acctcgagcg     180
actgctctta gttctattca gtcaggaatt cagcaagcta gatgagaagg tgattaagag     240
gcttggcagt tccctgttag aatacacccc ccagatcaac agggaaatat tatagctaca     300
```

188

```
tttgagcctt ttccttgtaa attactcaaa gaatttaaac aagctattca tactaaaaaa      360
gaatgtagaa ataatcagca agtcagctgc cagatagggg aaaaaagaaa actgctgagt      420
ctgaaatatg tccaacatgt aaaaaaggaa aacactgggc taatcagtgt cactctaagt      480
ttgataaaga agggaacctg atttcaggaa atgccatgag gggcctgtcc tgggccccat      540
tccaaactgg ggcatttcca gctcaggcca ttccctcaca cccgtacaat gtctgtcccc      600
cgccacagcc ggtagtgccg cagtagattt atgctgcaca aaagctgagg aattcctgcg      660
cactgcgct                                                            669
```

```
<210> 314
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(604)
<223> similar to gi5080758 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 314
ccagcttaat cgccataaga acattcacac aggtgagaag gcatcttgaa tgtaaggaat       60
gtggaaagtc ctttaatcgt gtctcaaacc atgttcaaca tcagagtatt cgtgctggtg      120
taaaaccatg tgaatgtaag gggtgtggga aaggcttcat ttgtggttca aacgttattc      180
agcatcagaa aattcattcc agtgagaaac tctttgtatg caaggagtgg aggacgacct      240
ttagatatca ttaccactta tttaacatta ccaaattcac actggtaaaa aacccctttga     300
atgtaaagaa tgtggaaagg ccttcagttt tctgacacag cttgctggac ttcaggtcat      360
tcatactggc gagaagccat ttgaatttga gaaatgtggg aaggccttca atagtggctc      420
aaaccttgtt caacatcaga gtattcatac tggtgagaaa ctctatgaat gtaaggagtg      480
tgggaaaact ttcagattta gtttggtcct gactgcacat caaagaattc atactggtat      540
gaaaccctgt gaatgtacag aatgtgggaa gacctttagt tgtagctcan acattggttc      600
acat                                                                 604
```

```
<210> 315
<211> 1223
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(1082)
<223> similar to gi1813429 in the genepept database release 114,
```

```
        <400> 315
tatgccattg attgaatacc ttttgatctt actgtgcata ctaactttct tgatgtaaat    60
atttagtgcg atataaatat ttagtgcgtg atttccatag cagatgacaa gtttatattg   120
attataacat ggtctcggtt gatatttttc tgacaagtaa gtttagatca tgtttggatt   180
ttgtttccta ttacctagag ccaacacaga tctatagatt tctttgaact cggaatctca   240
tagcagtaag tagtcaacaa aattcatcaa tattatttct ctcttataac tgcatctgta   300
ttcaatttta acatttttaa aactcttttt gtagccaata tttttgcaca gaactcttac   360
ttacatgtct catcgaaact ccagaacaaa catcaaaaga tacttgaata cctaccaagt   420
agaaggcact atgccagcac tgcatagctt tccttgaaga agagcaatta ctgcccttca   480
ggagtgtata atctagtagg agaaataaaa tatttacatg agttttacat gtaggaaact   540
gaatgaaaag aaaacattta aagttgatga tatgttatca aaagtagaga aaatgaaagg   600
agagccagaa tctcagagct tgtcagctca tttgcagctt acatttttgg tttcttccac   660
aaaaatgata agccatcacc aaactcagaa aatgaacaaa attctgttac cctggaagtc   720
ctgcttgtga aagtttgcca caaaaaaaga aaggatgtat gttgtccaat aaggcaagtt   780
cccacaggta aaaagcaggt gcctttgaat cctgacctca atcaaacaaa acctggaaat   840
ttcccgtccc ttgcagtttc cagtaatgaa tttgaaccta gtaacagcca catggggaag   900
tcttactcgt tgctatttag agtgactcgt ccaagaagaa gagagtttaa tggaatgatt   960
aatggagaaa ccatgaaaat attgatgtca gtgaagagct tccagccaga agaaaatgaa  1020
atcgtgagga tggggaaaag acatttgttg cacaaatgac agtatttgat aaaaacaggt  1080
aatgttgatg aacaagcgag gctcccacaa tgttctggaa atgttttcat tctgaagcag  1140
aatataatta tttatattga ttatttcatt gcctttgtgt tcttttattt cttacggatg  1200
aaaaaacaaa tttgcaaaca ctg                                          1223


        <210> 316
        <211> 714
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (57)...(715)
        <223> similar to gil1017722 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 316
gattgtaaaa ttttgagacc cctctttgag accactagta cagtgcggtg gaattcgctt    60
ttaatgggtg ctccagcctt actcgacata agagaattca cactagagag aatacctaca   120
aatgtgaaga atgtggcaaa ggctttactt tattttcaac ccttactaac cataaagtaa   180
ttcatactgg agagaaatcc tacaaatgtg atgaatgtgg caatgttttt aactggcctg   240
caactcttgc taatcataag agaattcatg ctagagagaa accctacaaa tgtgaagaat   300
gtggcaaagc ttttaaccgg tcctcacacc ttactagaca taagaaaatt catactggtg   360
agaaactcta caaacctgaa aaatgcgaca ataattttga taacacctaa aacttttcta   420
aacataaaag acaccatcct gttgagaaac cctaaaaatg tgaagaattt gacaaagcct   480
tccaatgatt gttacacttg cttgtaggta agataattta tattggagaa aactttataa   540
gtgtaaagaa tgtgacaaaa cttaaccaat actcacatct tattgcacag gaaagcattt   600
```

```
ttacttgaga aagattgtac aagtataaag aatgtgaaaa agtcattgat atcttttcac    660
atcttactca acaccagagt ttatacttat taaaagcatt ataaatgcaa aaaa          714
```

<210> 317
<211> 1808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1809)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1808)...(3)
<223> similar to gi35019 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 317
```
tacgctctct tctttgagtg actttaagaa ctcttgattc tcattttcaa gaggtctagc     60
tatctcctgg tcaagagact tacagtggtt ctagatctac tttttctggg ggtcttaatg    120
tcatctgatc ctgttcccct agagacctcc gtcgctgttg agtctctttt tcaagagttc    180
tcaaatgtct cttgggtcct gttcttctaa agacctcagt gatttgtgat tctctgtttc    240
tagaggtctc acaatactct ggtcctcttc ttctagagtc ttcagtggct cctggttctc    300
tttttctaga gatctaaagg cctctttgtt ctcatcttca agagacctca ggggttcctg    360
attctccttt gtcagaggtc tcagtgcctc ctcatccct acttctggag atctcagtgg    420
ctcttgattc tccttttcca gagctgtcaa tgactctaag ttctcttgca gagaacttac    480
taattcttga ttttccgttc ctggaaataa aaatgtctct agattacctt caagagattt    540
cattagttct tgattctcct tttgcaggga ttgcaatgtc tgtgtgtcct cttttcctgt    600
aggcttaagt tggcctacag cctctttttc tagaggtctc actacctcca catcctttaa    660
tagctcttta ttttccttttt ctagactttt tagtgtttct aagtcttctt ctaaagacct    720
cggacattct tgattctccc tttctagtgt ctcatggctc tggttttcca gagtcttcag    780
tgactcttga atctcctctc ccagagactt cagggtttct ttttccaaag gaacctggga    840
gtcctggatt tccttcctgt ttagatcctc ttcttcccat atttcctgct gcaagctgct    900
taccactttg ccctctatgg ctgtttcttt ctctaccaac ccccagattt gcccttcacc    960
ttccctcgg catatgctga acactctaga cccaccggat tctccatcct tagcctctaa   1020
actggagtgg tcagggctga ggggtggtgc caaggaggca tggtcctctg gggactggcc   1080
tgtactggcc tcttgccgct ggcccccagg ctcctctggt ccaggcagga cgctggcagg   1140
aatggccacc ctggcttcag cccgcagggg ctctggagcc tgtttcctcc caccctgtgt   1200
ctggagcaga gagagaggag catcctgggc tctgatctct gcatctacag caggagaggg   1260
tgcctgaggt gtggggggga tggggtgct ggccaaggta ggggtacggg cctggaggaa    1320
ttcttggttc ttaagaaagg ctggcacagg tgtctcaagg gtagcaggca agggtgaggg   1380
gagggaagtt gggctcagga ctgggagcaa agatccaaga cgccggccct ctggggtcct   1440
agggaattgc agctccagct tggggtcctg aaagctgagg gaagtcttgg agccaccgcc   1500
aggtgtttgc agccgggagt tctcagcctc caggagggtc ctgtacgtgg ccacctccag   1560
gctgagggac atcttgaggt gcgccagctg ctgccgacct tccaggacct gagcgatctg   1620
gctctgtagg ccctgtttct cctgctccag ggcctccaca gccagctgga actttcagt    1680
agcccgcagc cgctcctacc agcggccctc caacctctgt tccaccgntg ccntgcgctc   1740
caggaggcct gcggntttcc acgcctacta taaggtctcg atngggcgnn ctnnnnnnnn   1800
```

191

<210> 318
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> similar to gi162885 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 318
```
cctacaggtg agcatcaggc tgcaggagga tacccaggcc ttaggtagat atcaggccct      60
acaaggacac caggcctcag gtggacatca gggcccagtt ggggactcag gttctaggaa     120
gacacccagg cctcaagtag catcagggcc aaggcggata ctagactcca ggtggacatc     180
aggccctagt tggtcactag ccctaggtg  dacacctggg tccctggtga ccatcaggcc     240
acagattaac tccaggcaat aggtgaacat atgatcccag ttggatatca gaccccagga     300
aaacatcagt ccccaggtgg atatcagctt ccaagttgac atcaggccac aagtggacac     360
tggacttgag gtgtacatca ggcctcagat ggacacccag gccccaggtg tacatcaggc     420
tcaggtggaa atcaaggcac aggtaacacc aaggcacagg tggttaccta ggcttcaggt     480
agacatcaga ccccaggtgg acacctgggt ctccggtggt catcaggccc taggtggaaa     540
ctcaggtccc aggtgcacat cacgttccaa gtggacaccc aggccccatg gtgatacccа     600
ggttccaggt gggcactggg ccccagatga acaccaggct ccgggtggat accagaactt     660
gggtggacac ccagctctga ggtggacatc gggctccagg tggacatcaa gccccaggta     720
gatatctagt caccaggtgg acataagacc ccaggtcgac accagaacct gggtggacac     780
ctaggtttcg ggaattccgc cgc                                            803
```

<210> 319
<211> 2152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2151)
<223> similar to gi1196429 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 319
```
aatgacccaa acaaatagtt gtccctttaa ccaaggaaca agttagacaa gcctttatca      60
attctggtgc atggcagatt ggtcttgctg attttgtggg aattactgat aatcattacc     120
```

```
caaaaacaaa aatcctccag tttttaaaat tgactacttg gattttacct aaaattacca    180
gtcacggacc tttagaaaat gctctgacag tatatactga tggttccaac aatggaaaag    240
cagcttacac agagccaaaa gagcaagtaa tcaaaactca gtatcaattg actcaaagag    300
cagagttggt tgcagtcatt acagtgttaa taagattttg atcaatctat caatattgta    360
tcagattctg catatgtagt acaggctaca aaggatattg agagagccct aatcaaatac    420
attatggatg atcagttaaa cccgctgttt aatttgttac aacaaaatgt aagaaaaaga    480
aatttcccat tttatattac tcatattcga gcacacacta atttaccagg gcctttaact    540
aaagcaaatg aacaagctga cttgctagta tcatctgcat tcatggaagc acaagaactt    600
catgccttga ctcatgtaaa tgcaatagga ttaaaaaata aatttgatat cacatggaaa    660
cagacaaaaa atattgtaca acattgcacc cagtgtcaga ttctacacct ggccactcag    720
ggaggcaaga gttaatcccc agaggtctat gtcctaatgt gttatggcaa atggatgtca    780
tgcacggtac cttcatttgg aaaattggca attggtccat gtgacagttg atacttattc    840
acatttcata tgggcaacct gccagacagg agaaagtact tcccatgtta aaagacattt    900
attatcttgt tttcctgtca tgggagttcc agaaaaaatt aaaacagata atgggccagg    960
ttactgtagt aaagcatttc aaaaatttt aaatccatgg aaaattgcac atacaacagg   1020
aatcccttat aattcccaag gacaggccat aattgaaaga actaatagaa cactcaaagc   1080
tcaattggtt aaacaaaaaa aggaaaaaga cagtaaacag tataacactc ctcagatgca   1140
acttaatata gcactctgta cttaaatt tttaaatata tatagaaatc aaaccactac   1200
tcctgcagaa taacatttta ccggtaaaaa gaacagccca catgagggaa aactgatttg   1260
gtgggaaaat aacaaaaata aaacatggga aataggtaag gtgataacat gggggtgagg   1320
ttttgcttgt gttccaccag gagaaaatca gcttcctgtt tgggtaccca ctagacattt   1380
gaagttctac aatgaaccca tcagaggtgc aagggaaggc gcctccgcag agacagagaa   1440
cccgcaatcg aacatcatcg actcgcaggg tgaacaaaat ggtgatatca gaaggacaga   1500
tgaagttgcc atccaccaag aaagtggggc cgctgacctg ggcccagcta aagaagctga   1560
cacagttagc tgaaaaaagc ctggaaaaca caagggtaac acagactcca gagaatatgc   1620
ttcttgcagc tttaatgatt gtatcaacgg tggttaagtc tccctatgtc ttcaggagcc   1680
gctacagcta actatactta ctgggcctat gtgattttcc caccttaat tcgggcagtc   1740
acttggatag ataatcctat tgaagtatat gttaataaca gtgaatgggt accaggcccc   1800
acagatgacc gtggccctgc ccaacctgaa gaagaaggaa tgatgataaa catttccatt   1860
gggtatcatt atcctcctat ttgcctggga aaagcaccag gatgcttaat gcctacaatc   1920
caaaattggt tgatagaagt acctactgtc agtgccacca gtaaatttac ttatcatatg   1980
aaaagtggga atgtcacttg ggtcacaaat gaataattta cagcattctt cctatcaaag   2040
atcattaaaa tttaggccta actggacacc atgacagaag gaacttaacg acgaatcaaa   2100
agacacacaa ctcctagact gggaagacac tacggctgaa cctgcaatac ac           2152
```

```
<400> 320
ccgtgcggtg gaattcgcct ggcaacgcgc agcaacccaa cgtccacgcc ttcaccccat     60
tgcagctgca ggagctggag cgcattttcc aacgcgagca gttccccagt gagttcctgc    120
gaaggaggct ggcaagaagc atgaatgtga ctgaactcgc agtgcagatt tggtttgaga    180
```

```
atagaagagc caaatggagg agacatcaga gggcattaat ggcaagaaac atgctgccct        240
tcatggcagt gggccagcct gtcatggtaa ccgcagctga ggccataacg gcaccccttgt       300
tcatcagcgg gatgagagat gattacttct gggaccacag ccattccagc agcctgtgtt        360
tccccatgcc accctttcct cctccgtcct tgccccttcc actcatgctt cttccaccta        420
tggccacccg ctggccaggg ttgaatttgg gcccatttcc cttttgttat tcgtggcctt        480
cttttcacat ttccccaatg tctaaaggga tagcctctgt ggccactttt tgccagagtg        540
tctttgagcc agattcatat tttgcatagc accccatcaa aagtagttca tcaaatgtct        600
attaaacgtt ttaaagaaaa gtacatcatt gacccatttt tagggcactt gtaaaaatgt        660
ttctataaat atgtgaaggg tatgtacatt tgttttgtgt gtcacatggg gtcagtaagt        720
tctcaataaa aattgttaag aaatgccatt caaaccgaaa aaa                          763
```

        <210> 321
        <211> 980
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(961)
        <223> similar to gi5262560 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 321

```
atatggggaa ggcttatcct atcttataag ttttcaaaca cacataagaa tgaactctgg         60
agaaagacct tataaatgta agatatgtgg gaaaggcttt tattctgcca agtcatttca        120
aacacatgaa aaaactcaca ctggagagaa acgctataaa tgcaagcaat gtggtaaagc        180
cttcaatctt tccagttcct ttcgatatca tgaaaggatt cacactggag agaaacccta        240
tgagtgtaag cagtgtggga aagccttcag atctgcctca cagcttcgag tgcacggtgg        300
gactcacact ggagagaaac cctatgaatg taaggaatgt gggaaagcct tcagatctac        360
ctcacacctt cgagtgcatg gtaggactca tactggagag aaaccctatg aatgtaagga        420
atgtgggaaa gccttcagat atgtgaagca ccttcaaatt catgaaagga cagaaaaaca        480
cataagaatg ccctctggag aaagacctta taaatgtagt atatgtgaga aaggcttttta       540
ttctgccaag tcatttcaaa cacatgaaaa aactcacact ggagagaaac cctatgaatg        600
caaccaatgt ggtaaagcct tcagatgttg caattccctt cgatatcatg aaaggactca        660
cactggagag aaaccctatg agtgtaagca atgtgggaaa gccttcagat ctgcctcaca        720
ccttcgaatg catgaaagga ctcacactgg agagaaaccc tatgagtgta agcaatgtgg        780
gaaagccttc agttgtgcct caaaccttcg aaagcatggt aggactcaca ctggagagaa        840
accctatgag tgtaagcaat gtgggaaagc cttcagatct gcctcaaacc ttcagatgca        900
tgaaaggact cacactggag agaaacccta tgaatgtaag gaatgcgaaa aagcattctg        960
gaaattcttt tcttttaaaa                                                    980
```

        <210> 322
        <211> 628
        <212> DNA
        <213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(628)
<223> similar to gi807677 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 322
acatcaggat aaattctaaa cagatcaaat atttaaatgt acaaatggaa ccatacaggt   60
attagaagaa aacttgggta agttacatta caacctgaga gagagaaggt tttcctaact   120
atgactccaa atccagaagc aataaggaaa aggactgata aatacaatta catgaaaaaa   180
caacaacaaa agactttttc atggcaaagt atactttgca taagcaaagt taaaggaaaa   240
taacaaactg caaagaaata ctttcagctt acatcacaga tagagcttct aaaaatagag   300
aagaccagca accttagaat caggttaaac ctacattgct cagagataga ccaagatttt   360
tatagaaaaa aaaatataaa tggctctgaa ccatatgaaa atgtgctcac ttttgctctt   420
aataagagaa atgcaagcta aaactacccc tttctcaacg atccgattag taaaaattca   480
agattttgat aacatactct gctggcaagg ctatggggaa acagacactg ttagccatgg   540
ctggttggga tgcaaaatgg aagagccatc tggaggggaa ttcgggagta tatagaaata   600
attccccccct ggctagggtc tcagtcaa   628

<210> 323
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (688)...(565)
<223> similar to gi186774 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 323
ggccggaact cctgggtcta cccacgcgtc cgcggcttcc taaagtgctg ggatgacagg   60
catgagcctc aattcccatc cataagctct taattcttaa gagacatggc gataattcat   120
ggtgaagagg aactttacaa acctgaaaga tgtgacagtg cttttcccaa cacctccaac   180
ttttctatgc ataaaaaaaa ttatactaca ccatagaaat gtatgaaatg tgacaaagcc   240
tttatatggt tgccacactt tattgtaggt aattcatact tccaaaatac ctacaagtat   300
gaagaatgtg gcaaaacttt taatcagtgc ttacaccgta tttcacagga aagctattat   360
ccttgagaaa aattgtacaa atataaagaa tatggaaaag ccattaatgt ccatcacatc   420
ttactcaaca gaagaaggtt cataaaagag caattactgt gacaaaaatc tttcagaaaa   480
tataagcctt taaggtgaag aagagtattg attctgaaga caagcattac aaatataaag   540
aggtttgtag tacctttgct tgtattacag atcttattgc ccgcgttttg tattagaagg   600
aaaccctaaa gcggttgcca aactttgtgc aacatcaggg aatatattga agaagattcc   660
tgcaaatgta atgagtttgg aaacacttct tagataaatt atttgtggct gggcacagtg   720
g   721

195

```
<210> 324
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)...(814)
<223> similar to gi4092510 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 324
gcaggaattc cccggctcga gccggtgact ctctgagaac cagcccttct gtggcctcac      60
tctctgaaaa tgagctgcca ccaccacctg agcctccggg ctatgtgtgc tcactgacag     120
aagacctggt caccaaagcc cgggaagagc tgcaggaaaa gccggaatgg agacttcgag     180
atgtgcaggc ccttcgtgac atggtgcgga aggagtaccc caacctgagc acatccctcg     240
acgatgcctt cctgctgcgc ttcctccgag cccgcaagtt tgattacgac cgggccctgc     300
agctcctcgt caactaccac agctgtagaa gaagctggcc cgaagtcttc aataacttga     360
agccatcagc cttaaaagat gtccttgctt ccgggttcct caccgtgctg ccccacactg     420
accccagggg ctgccatgtc gtctgcatcc gcccagacag atggatacca agcaactatc     480
caattactga aaacatccga gccatatact tgaccttaga aaaactcatt cagtctgaag     540
aaacccaggt gaatggaatt gtaattcttg cagactacaa aggagtgagt ttatcaaaag     600
catctcactt tggcccttt atagccaaaa aggtgattgg catcctccag gatggtttcc     660
ccattcggat aaaagcagtc catgtggtga atgaacctcg aatatttaaa ggcatttttg     720
ccatcataaa accatttcta aaggagaaaa tagcaaacag agtaagtgat gatcctattg     780
acttcagatt tttctttttcc tctgttgatt tatttgtgac atctggtact tggttattat     840
ttttgccctg                                                           850




<210> 325
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(429)
<223> similar to gi1196425 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 325
gatccttgag taaatatctt agttcgagga gaagtttaca aacgctctgc tcagccagtg      60
tttcaaactt tctaagatga actaaatgtg ccagtaccag aaattccagg aaaaacaaga     120
aatttgtttt tgcaattagc caagcatgta gcccagtctc tcagtgtcac ttcatgttat     180
gtatgtggag gaactgtgat gggagatcaa tggccatggg aagcccaaga attagtacct     240
acagacccag ttcccaatga attcccagct caaaagagtc accttgataa tttctggacc     300
```

```
ctgaagcctc aattattgga caatattgca tagctagaga aggaaaataa ttcactcacc    360
ccttaggaca acttagttgt ctgggacaga aactgtataa tggtaccaca aaaacagtca    420
cttggtggag gtcaaatc                                                 438
```

<210> 326
<211> 1152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)...(1155)
<223> similar to gi4140029 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 326
```
aaatgtgggc cttaatctcc tccccaatta acgtcactgc ccgcgggaac acagcggcat     60
ttctggggca ctcggcatgc cgggttccta acctcaatta ttcattctgc tctcaggcac    120
ctcctgacga gaccctggcc caggagagct cggctcgggg acagaggaat gagactcagt    180
gggacgcaga gcccaacccc atccccaccc ctggctggat ggggtctggg ggcagcagaa    240
tgtggaccac tcagcaggag gcttcctgac tgtctcctcc tgaaccgatg tcactcacag    300
gcaggggaca cgccatcctg gccccgcccc tttgggccct tggaatcatg gagggggtggg    360
gcagcctgtg cccatcccaa ggggaagtgt gcccctgggg acactggggg gctgccgggt    420
gcgccatctt taggggggtgc actgccgggc tccagggtca tgcctggaaa catttcaggg    480
cctccctcac ctctggatac cgcctgcagg ggtgaggctg tgctgagctc tgcctgccct    540
gccaggacgg agggcatggg cctgtgtgga aaccccaggg ctccctgact cccatgaggc    600
ttctcaggga cttcctgccc cgagggtccc agcatctccc aggtggaggt cctcaaggat    660
gccccacca gctccccaca gctactgtag caggaagtcc ttcttcccga acccagagcc    720
cagggcggat ctcccgggct gcgcgccaag gtggaaaccc tcagggtcct gggggaacca    780
gggcccaggt ctggactcca ttcgggacct tcccagctcc ggggaatcac aacacagaag    840
taccccaggg gctgaagcca ctaggcccc gtggagccct ggccacctgc cagagccctg    900
gccctacgcc tggaaggcag agtcctggtc tccagactcg ctggggctgg gtgttcctgt    960
cccccgcgga gggcctgcgc aggggagagc tggtcccgcg tgggcctccc gattctcccc   1020
acgcggaacc agctccacaa aactctgttc tccaaggctc cttaggcaca agacttgagt   1080
tctcactaac ttacccaaaa cacaaccaaa cacaatccct gcctggaccc tctcctagcg   1140
tggcacgagg cc                                                      1152
```

<210> 327
<211> 1649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (334)...(1646)
<223> similar to gi1888409 in the genepept database release 114,

197

```
        <400> 327
cctgcagggt cggggagaaa gcccggatca ggcctgcagg ggctcagggc agtggtggcc     60
tcatgtcagg gccgggttcc tggcacatcc acgacataca agccatcttt gcaactcact    120
tttattgttt ctttataaac ttcctctccc atggaggaat atattgttat agtcattagc    180
ttatctcttt ttttaaaact ctatgctaac agcaatggag ccaagaggag gaaaacataa    240
gctacgatag aaaggcactt agaacctgtt aaaatactga cgtcctggaa tgtgcaacaa    300
cacaccaatg acaaccacaa aaagtacacc ggccctgccg agcctggtcc gtcaccgagt    360
cgcatgctga gctcgtcggc cttccagtgc cctgttcctc cgctctgctc aagtcgcaaa    420
cccatgaccc cgccagggac ttaaggcctg gggccctcac aggggtgggg ggtgctcagg    480
gcctgggtgg ggcccgaaga aaggagacca gctccctcct accttgctca tagccccttc    540
gaggggcaga gccagtgtgg ctgggccctg tcaggctgg agtccaaagc ccagtggcaa    600
ggtgggccgg gtcagggtga ccctctgggg acagaagggc agtccgggag agggtggggt    660
cagcagagct gccagaggac ctgcagggcc actaaggacc ccaaggctgt ccgggcagct    720
gcctcgtttt acagatgggg aggtggaagg gcctggccac tcagaggcct ggtgacaggg    780
caggcctaga agccagaact cccagctgcc aggtgggaga gggagcaggg agaggcccca    840
gatggggggt gcatggctgc gtccatccct cagggcgtcc tgggatggga ctggggcaca    900
aggccctcca gcaccaccct taagtggttc tggcccctgc cagggtccct ctgagtggca    960
cagaacctgg gggggcccac tgggtgttag gggtggggaa gtgcctctga gaaagcggcc   1020
cagcagggaa aagccagagg aagcaacgtg tcatgggtcc agcaccctcc tccagccact   1080
gcttccctca aggccttcag tccacagcct ccagaaagct cccaacacag cactgactgg   1140
gagcccctc ccctgcatgc tgtcacttgg agcccccaga ccaggagctg tgtcccagcc   1200
tgtggtcggt cgtccccagc cagcctcccc cttcctgtta caggaccaag gacccaaagg   1260
cctctgcagg gggcgctgcc caggccaggc ccagcggggg tagaaggagg aagacggggc   1320
gctgggcctg gccccacatg ctccctgagc cagggcccag gtcactcagt atcttggcac   1380
cacagctggc ctggcacctc cccttgccag ctcaggggcc ctcggacctg cttcccacgc   1440
tcccagggtg ccccaaaagg tagagggagg agaccctggg gtgcaggggt ggagtggcca   1500
gctatcccgt ctggtactgc aggcctggcc tggggtgagg acggcggctg cagagcgggc   1560
ctcctcctaa ctagtgggag gcgccttgtc ctggggggca tgctcctcgt gccaagcttg   1620
gaggaatcac ggtcatagcg tttttcaat                                    1649
```

        <210> 328
        <211> 1565
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (80)...(1562)
        <223> similar to gi930045 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


```
        <400> 328
tttttttttt ttgtctttta aaaacatcgt aacattaaca catggccgtt caccgtcccc     60
caacgatggg agctggcctg gggcccaggg tcctccagga tcttcactca ttcacagtaa    120
cggttttgac cagtcctcca ggtcgcacgt ggatgcgaca ggggtgggga gggaggagga    180
```

```
agtgactgtc cccccttcag aaaaaaaaaa acaaacaaac aaacaaacgc tgctagccac      240
tcagctttag agacccgatg gctatgggcg cctgcagcgg gcggggtcc atttgcttgt       300
tctttgatac aaaaaggcag agaatccccc gttacgaaac atggaatcac tgacaggcga      360
gaagtgatgg gggaaaaagg ggtgggcgga atgcccgcta ccccccagg ggtctttgga       420
aggggcagtc cacagatatg ggcagtgggg accaggaag gcagagcacc cccacggcca       480
ccggactgtg accatcatac gagattcagg aggggcagca gggccaggca gacggtctcc      540
gaggcccca cccccaggcc ccccgacatt caagtattct tcaagaacag ggaagcaaag       600
tccatcgatg tgttgttttt ttttaaggaa aaactaaaaa actaaacagg aggaagaatc      660
ccgaccgcgg atttagaagc cagagggct gccccagctg tggagctcgg gggctgcgcc       720
gggaagggcg ggcggtgacc ctagccgcgc gcacttctaa agtggaaccc tgtattgcat      780
agaacgtccc cacccgcggg gaggggcag caggctccgc agcccccggg ggttggagca       840
tggagggtgg ggggactgag cagacccccg cattcctggg tgcccgaagg gaggccgagg      900
ccgcagccgt tttcctgaag gtggcagacc aaaaacactg ccctgggggt gaggattcgg      960
ccagaccccg gggtctgggc tcagctctaa ggacaaggac ggagctgacg gagcttccag     1020
gtcaggcccg aggggcggcg cgaggcagga cgtggctacg gtcagactga gccctgagaa     1080
ggggcactcg ggtgccccaa gggggtgtct tcaggacccc ccacattggc tgacagtgcc     1140
tgtccagccc ctctgcctgc tgcggtggaa acggcttcgg gccaggcggg gctcctgctg     1200
tctcaggcct tggtgtggag gggaggggca gcggcgagcc cctggggtca gctgcagttt     1260
aaggtcaagg tcggaggccg aatctggcca ccaggagtcc tggacagaca gacgggcctt     1320
gcaggaagcc ccgattgtca actatcatgg ggacaaggca ggcgcgggtg aagggctggg     1380
ggatcccatg gggtggggtgg gtgagctgcc tgccacctgc ctgcctgaca cctccagaga     1440
caggcagccc ctcccttccc caaccaagcc accaggggtg ctctcagggt gagggataga     1500
ggggaagagc ctgtccctaa aatactgcgg gctgggaggg aacacgaggg cagggtcctg     1560
tgccc                                                                1565
```

```
<210>  329
<211>  707
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (559)...(707)
<223>  similar to gi2580578 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

```
<400>  329
tagctgtttg tctcaagtta gttcagaata aaccacgagt gtgtggattg ctaaaataac      60
ttatttctaa atgctgcaag tcaaaaattg cagatttcct tgtctaacca gatgcagatg     120
ttatatgtta taaaggatca ggactccaac aggaaccaac atcactgcct tctaaaatta     180
gtggccttcc tggcatatga acacccttg ggcctgtgct ccagtgtctc tttgggttgc      240
tccttgggct ctttgtgaag gatcaagaca cccccgtagt ctaggccaat gtcaggctct     300
ccagtgtgtc ctgttcatca ccctcaccct gcacttctat tgttactgtc tttggctatt     360
ccaacactgt gcttgcatcc tgtggaaagt cacatttggg gtcaagtgaa tggtgttgtt     420
tctactcttt ggtgaaaagt atcagggtgc atttggcctt caattcagaa ggatgaggca     480
ggggttggat tcaggtgcac ccaacttttt ttgtgtgtgt gtgatggagt ctcgctctgt     540
cgactagcct ggagagagca atggtgtgat ctcagttcac tgcaacctcc acctcccaag     600
ctcaagcgat tctcctgcct cagcctcccg agcagctggg actacaggca cacaccatga     660
tgcccagcta ttttttttgta tttttagacg agacagggtt tcacccc                  707
```

199

```
<210> 330
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(757)
<223> similar to gi3880303 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 330
ttttctgggc ttggtgcatt tattcaggtt tgagagctga ggagggcaga gctcgcacag      60
ctgtgaggca gggctgggcc ggacaggagc tgcttcatcc ttcaacaaac cctggcctgg     120
ggtgaccagc ctggtggggg agatggagtc gggatggagg acaaaggggg gagcagggga     180
cagagcccag gaggaagcaa gggagggcac aaaggagggg caggtggctt caggtgagaa     240
gcaggaggga gaaaggggac cagcagtggg tctaggggaa ggggctgggg tgagggaggc     300
tgagaagggg cagaagatgt ggcccacagc ggctcccaac agccccaggt cctcaggaag     360
cccctcacct gtccctgtcc ccatgggccc ccagactcac tgcagaccca ggaggcctgg     420
catagcgagt gtgcaggtgt gtgcaggtgt gtgcagacca gcacgtgtgc ctgtgcacgg     480
gtagacagca tgtgtgccag tgtgagtggc gtgtgtgtaa gtgggtgttc gcatgtggag     540
gcatgtgcca gtctgtacac gtttgctcat gcgtgagtgt gtgtgcatgt ggttatgcac     600
atgtaaagga ccagaggcgg gaatcagaag ggcacggtgg gcatccctcc aggaagagga     660
gggactcagg ctgacctcgc cctcccacaa gaagagtcag gccttggggg ccgcggctgt     720
ctgagtggtc aggctggggc tgccattaac ctctgtg                             757
                                                 -
```

```
<210> 331
<211> 1330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(1238)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 331
tttttttttt agaaaaaaaa attaaaaatt agccaggcat ggcggcacac atctactgtc      60
ctagctactt gagaagctaa gacgagagga tcccttcagc ccactagttc aaagttacag     120
aaaaccacgg ccacaccact gcactctagc ctgagcaaca gagcgagacc ccatcaacat     180
taaaacaaca acaaaaaaaa tcaatataat tcaccatatt aacaaactaa agctaaaaac     240
catataatta ccttgataga tacagaaaaa gcatttgaca aaattcaaca tccacctcag     300
```

200

```
ataaaaacgc tgaacaaact agtaagatcc ttaactgcta aaggttatct atgaaaaaca      360
aaggaataag atgcccactc tcaccacttc tatttgactt cgtactagag gttcaagcca      420
gtgtaataca gaaaaaaaat aaataaataa gaagaagaag aaaaagaaaa ggaaaagaaa      480
taaaaggtat ccagggtggt ggaaaggaaa agtaaaacta tcattattca caggtaatat      540
gactgtctat gtagaaaatc tgatggatgt acaaaaaagc tattaaaagt tagtttagta      600
tggttgcagg acacaatata aacatgcaaa aggctatgat agttttatat cctagcaatg      660
aacaattaga aattaaaatt aagaaagcaa taaaatagca ccaaatttat ataacccaaa      720
gcaatttaaa ataccccaa aaaatatgaa ctacttaggg aaaaatctga taagacatat       780
aaaacctgta ccctgaaaag tacataatgc tgttgagaaa aattaaagat gacctaaata      840
aatggaaaga tatgccatgt taatggatca gaagactcgg tactgttagg atgtcaaata      900
tcaatcaaaa tcttgaaagg tttctttgca gaagttggca agttgactct aaatatgtat      960
ggaaatacaa agaacccaga atagccaaaa caactttgaa aagaacaaag ttacaagatt     1020
aacactactt gatttcaaga tttaatataa gctacagtaa tcatttaatg taagctacag     1080
taatcaagac agtgtggtat tggtataaat gtagaccaac agatcaatga aacagaacag     1140
agaatccaga agtagacgaa cacatataca gactaataac attttgacaa aagcaaaaag     1200
gcaattcatt agagaaagga tggtcttttc aacagatgaa tatctatatg aaaaaaaaat     1260
ggacgcataa cttatactac ttacaaaatt aacttgaaga attccaccac acggactagg     1320
gatctcgaaa                                                            1330


        <210> 332
        <211> 863
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (8)...(704)
        <223> similar to gi488555 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 332
agagaatcac actggtgaga aaccatatgc atgcaaagaa tgtgggaaag ccttcagcca       60
aagctcagct ctcatacaac atcaaagaat tcacactgga gaaaaaccct acaaatgtaa      120
tgaatgtggg aaagccttct cttggatttc acggcttaat atacatcaca gaattcacac      180
tggagagaaa ccatataatt gtaaggaatg tggaaaagcc ttcagttccc actcaggcgt      240
taatactcat cgaaaaattc atactggaga aaaaccttat aaatgtaatg actgtgagaa      300
agccttcaac caaagctcag ctctaattca gcaccagaga attcatactg gagagaaacc      360
atataattgt aaagtgtgtg ggaaagcctt cagacagagt tcatcccctta tgacacacat      420
gagaattcat acaggggaaa aaccttataa atgtaaagaa tgtgggaagg cttttagtca      480
gagctcatct cttactaatc atcaaaggac tcataattga gaaaaactgt ataaatgcat      540
gtaggaactg aagttatatt ccatactgag tatcaaaaaa ttcattgtgg ggagaaagtg      600
atgaagagta gttaatcata ggtaaaactt cagcattaga cctcatcaca catcagagac      660
ttcatgatgc agggtaacct tgggaatgct agaaaagctt ctataaaatg tttattcata      720
tgttcttaag ttattaccat gaaatggaga atttttaaga ttgcagggtt agtatttgat      780
tgtctagtga tgtacgataa cagccaccag ctttcctgag catcactggg aagcctgctg      840
tttatgtaca agtacagcca taa                                              863
```

<210> 333
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(591)
<223> similar to gi5931821 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 333
```
aaattctact cccgattggg ccaacaccgc cccgcggcgc actgttatat accaacatat      60
tccttttaat gtaatatatg agaaaaaatg ttcggcggcc tattcacctt actgaacata     120
tgagaattca tactggggag aaacctttca gatgtaagga atgtggaagg gcctttattc     180
aaagtgcatc cctcagtaca caccagagaa tccatactgg tgagaaaccc tttgaatgtg     240
aggaatgtgg gaaagccttc agacatcgct catcacttaa tcagcatcat agaactcaca     300
ctggggagaa accctatgta tgtgataaat gtcagaaagc tttcagccag aacattagct     360
tggttcaaca tttgaggact cattctggag agaaaccttt tacttgcaat gaatgtggga     420
aaacctttag acagattaga caccttagtg aacatataag aattcatacc ggggagaagc     480
cctatgcatg cactgcatgt tgtaaaacct ttagtcatag agcgtatcta acacatcacc     540
agagaatcca tactggggag agaccctaca aatgtaaaga atggggag               588
```


<210> 334
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (16)...(328)
<223> similar to gi1843392 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 334
```
ggaggcagga ggcgaccacg tccaacaacg ttttcccctt caagatcatc cacatcagca      60
agaagcaccg cgcgtgggtc ttctcggcct cctccgagga ggagcgcaag gtgactgggg     120
gtccgaggac gagtgcaagg tgactggggg tgtgggcctg caggcaccag gctggacctg     180
ctaccccccg aaggatgagc gatccccctc tgagcaccat gcccaccgca cccggcctcc     240
ggaaaccccc ttgcttccgg gagagtgcca gcgcccacac aaggaacatg ctgtcctggg     300
aggtgcccct gtgggctgag gggagccaca cagccatgtt gtatccagcc gggtcgcctc     360
```

.

<210> 335
<211> 1747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(421)
<223> similar to gi1136434 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 335

```
accaggttgc caaactgttc tacctttctg gaatggtgca tggagaatat caaaaccaag      60
aaatccacaa tctgggccat tttattacag ttatgaagtt taggcctctc atggcaaact     120
tttcacccтt atatcctggc agacagttaa aaggatggaa gatttgacaa acccggagga     180
tatccaaaca aacatcaaat gtgacctgca ggtgtcactt tatggttatt taagaggagc     240
acacttgaaa aataaaagcc aaattcacat gccaggacaa ggtggggctc acccatgagc     300
tggtccagag tctcatctcc acctactcca ccattgatgc caagatggct tcaagtcgag     360
tgatgctgct ttccaattcc aaaccacttg ggtcagaggc tatagataat caaggggacg     420
agttctcact atgttgccca ggctggcctc gaactcctgg gctcaagcaa tcctcctgcg     480
ttggcctccc aaagtcctgg gattacaggt gtaagccact acggctggcc tattattgct     540
gtattctaac ttattcatct cctatgtgtc agagatggct ttggattccc cgttctgtgt     600
gctgctgtct ggctcctgaa cccagctgta gaggtgtgtc aatcccaact ggtgaagtac     660
tgagaggaag ctacacaaaa ggcagcaaag tattagtgag tggtgtcatt gagcaaacac     720
gaagtcgggc tcatccaagg atgagatttt gccagagaaa ggacgagcag caagtcaggg     780
agcttaaggt ggtggaaagg aaatccctca cagcaactgg caccataatc aagacagaat     840
gtttgcagaa taaatggagt tacctgcttt cagccccagg ttgtagctat tgtctgccct     900
gatgatatgt gataataatt tgtgatccta ttgtcttaaa atggggtcac tcatctccag     960
tagaattaag tccacagtga agttgtcccc ccatccccaa agagataaac atatatgaat    1020
gaactcacat gataacaact actgctgcct gggatcatga gagacctgaa ctgaactgat    1080
aggaagtgaa aggtggctga gataatgaga atagacccat ctgcagagga tcataaaacc    1140
agcaaagaca agatcttgtc taagatgcct tcacaaactt tgtccatgag aactctaagg    1200
acttctccag acctgttggc tgctgctgtg atctctgccc aagaggagcc tctgaccaac    1260
atccaaaggg cttctggacc cactggactc ctctggaggt accttagtct cccgatccat    1320
ggctgtgttt ttttactccc tttatcgctg cctgtgtgta gaatgataat tgcacaattg    1380
atagtgtgaa gacctcttga taaatggtaa atctgagcat atgtatttgg ctgacatgtc    1440
attgtgaaac ctcacagctt cagtcagtgt caacgcagct agggagcatg tacctaatgc    1500
acatatcact gggcatagtc tacaggcacc taataactca ggtaccttaa cagtcactaa    1560
tgagtgtctc tccaaggact aaacaatgga agactgtaga agatgctatt cattaaaata    1620
tctcaagaat atggaagact attattcgct tctcatggga caggacttta tagggcacct    1680
gaaaaaactc ccatgaaaaa tcacttttac aaaatgtcaa gttatgatat ccaagatgaa    1740
accaatg                                                             1747
```

<210> 336

<211> 1326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (252)...(1326)
<223> similar to gi1086680 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 336
ttttttcaat tgcacagata tttatatggc gtggcaccat gcaagttaaa caactctttg   60
caaggcactg tgaagttaaa tacaacaggc aaataatgtc ctttcaaagg gaatgttgtt   120
ccttagtaca gaacaatggc caccagggtt taggcatgct ctcctcccac ctggaggctc   180
ccactgacat ctgaattctt ctttccacag gttgccttgg attcagtgac ctgcattctt   240
tctttttcag taaagatgtg aggttgccag ctgggcttca gcactcactg gctgtggagg   300
cgtgcttgcc acatagtaga tgctcagtgc ttgtctgctg agtcatactg catagtggtg   360
aagccttcag ggaatgaaga acaatcactt tgctttcgtc acatgttttc tagatgattg   420
ctgcagaagc ggaaaaggct gcttctgagt ccctgaggat ggcagctgag attctgtcag   480
gcacccctgc tgctgttcag cttcgatacc tccacaccct tcagtctctg tccacagaga   540
agccttccac tgtggtttta cctttgccat ttgacctact gaattgcctg tcttctccca   600
gcaacagaac tcagggaagc ctcccctttcc caagtccttc caaacctgtt gagccactaa   660
atcctaaaaa gaaagactct cccatgttat aggaaggatg gggcataatg tgactgtaaa   720
ggggcctgcc atagaaaagt cacatccctg agggagacac tctgtcctca ttccctgccc   780
ttcctttggt tgccatatgg aatggccatg gaatgcacga agtcacaatg caccatccat   840
gagaagacag tgaaatgatg taatgacaga gaaggcagac aacatgtttc cgtgactcat   900
ctagtcagag caattatggg aaacagcttt ggtcaacatt ctactttggg aagaattttg   960
agtctagatg tggttaaatt ttgacttctg ggaacttggt tcagatgtcc ctttcactgt   1020
atgtcctctg acccctttgg caaggttgcc acagctccca cagcccttcc tacaagcacc   1080
tatcattggg cttgtcacac tctattgctc ttctgtcccg aagatgcagt cttctctcca   1140
atgatactac caagtcttag ttttcctcaa ccacactcaa tcttttttgct ccaccctgaa   1200
ttcctcacac ctaaccctga tagttaccta aagtgacact taaatgtttc agagtgaatg   1260
caaaaaagag agatgtactt ggagtcggat atacaattta tccctaatta aagcatttaa   1320
aaggaa   1326

<210> 337
<211> 1077
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1078)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1077)...(0)
<223> similar to gi5420389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

204

<400> 337

```
tttttttttt ttctgaacaa taaatgtttt atttgcttta aaagtgcctc tgaaagggcc    60
ccccagaagt gagcagtgcg ccgtcaagcg ggtgtgcagg gcacacagct gcacggcaca   120
gtgtgggtct gagtcactgc cggaggaggg accaggtggg tctgggccgc agcccctta    180
acaatctgcc cttcctgccc tgcaggaaga acccattctg aacacaccct ggctgtccct   240
ggctgcccca cttgggtg acaaagagga ggcagccctg ggctgagtcc acagagacca   300
gccctgatat ggcaggagtg ggggtggggt gggggagtgg gaatacagga gctcagcccc   360
agctcaccac ggcatccccg aagagttgtg actcagacac acctgggttt aagtcccagc   420
tgggggctca ggtaagtcaa atcgtcttct ggggcctctg tttatcagta gaaggctcca   480
gaagtataca ctgttgatgg ctccttcccg ctctgatgca ccatgcctga ttaagcatac   540
actgagcccc ctgggtcaga aatcgctgag gatgctgatg tcagcaaagt cagcccggta   600
gcggtgggca tagaggctga gcaggaaggc ccacttgaag gaaatgaagc tccagacgct   660
ggagaggtag tagctggtgg ggtctgtgag gctctgatgc cgggtgatgg ccagcacgag   720
gaaggtgcag aaggcagcga tggagacggc cgagaagagg acgcccacga agaagaagcc   780
gcgcagcccc ttgagccagg tcctccaata atcttgcatg tacatcacgt gcgtcaccag   840
gacccacagt gccagcaccc ctgcgagccc tcccatggcc gcggtccccg gctgtcggta   900
gaccaccgtc cagacgagga agatggagaa gccggccacg gagctgatgc cggagtaggc   960
ggcgcggagg ccgagctgca gcctggacgg ggccatgggg ctgccgtacg cgtgggcgga  1020
cgcgtgggtc gtcccgggcn ttccgcgacg gtactcaggg cgtcaggnnn ngcaccc     1077
```

<210> 338
<211> 2355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)...(1316)
<223> similar to gi733606 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 338

```
gtccgtgtgg tggaattcgc agcggcagtt cgtggtgcgg gcctggggct gcgcgggccc    60
ttgcggccgg gcagtctttc tggccttcgg gctagggctg ggcctcatcg aggaaaaaca   120
ggcggagagc cggcgggcgg tctcggcctg tcaggagatc caggcaattt ttacccagaa   180
aagcaagccg gggcctgacc cgttggacac gagacgcttg cagggctttc ggctggagga   240
gtatctgata gggcagtcca ttggtaaggg ctgcagtgct gctgtgtatg aagccaccat   300
gcctacattg ccccagaacc tggaggtgac aaagagcacc gggttgcttc caggagagg   360
cccaggtacc agtgcaccag gagaagggca ggagcgagct ccggggggccc ctgccttccc   420
cttggccatc aagatgatgt ggaacatctc ggcaggttcc tccagcgaag ccatcttgaa   480
cacaatgagc caggagctgg tcccagcgag ccgagtggcc ttggctgggg agtatggagc   540
agtcacttac agaaaatcca agagaggtcc caagcaacta gcccctcacc ccaacatcat   600
ccgggttctc cgcgccttca cctcttccgt gccgctgctg ccagggggccc tggtcgacta   660
ccctgatgtg ctgccctcac gcctccaccc tgaaggcctg ggccatggcc ggacgctgtt   720
cctcgttatg aagaactatc cctgtaccct gcgccagtac ctttgtgtga acacacccag   780
cccccgcctc gccgccatga tgctgctgca gctgctggaa ggcgtggacc atctggttca   840
```

```
acagggcatc gcgcacagag acctgaaatc cgacaacatc cttgtggagc tggacccaga    900
cggctgcccc tggctggtga tcgcagattt tggctgctgc ctggctgatg agagcatcgg    960
cctgcagttg cccttcagca gctggtacgt ggatcggggc ggaaacggct gtctgatggc   1020
cccagaggtg tccacggccc gtcctggccc cagggcagtg attgactaca gcaaggctga   1080
tgcctgggca gtgggagcca tcgcctatga aatcttcggg cttgtcaatc ccttctacgg   1140
ccagggcaag gcccaccttg aaagccgcag ctaccaagag gctcagctac ctgcactgcc   1200
cgagtcagtg cctccagacg tgagacagtt ggtgagggca ctgctccagc gagaggccag   1260
caagagacca tctgcccgag tagccgcaaa tgtgcttcat ctaagcctct ggggtgaaca   1320
tattctagcc ctgaagaatc tgaagttaga caagatggtt ggctggctcc tccaacaatc   1380
ggccgccact ttgttggcca acaggctcac agagaagtgt tgtgtggaaa caaaaatgaa   1440
gatgctcttt ctggctaacc tggagtgtga aacgctctgc caggcagccc tcctcctctg   1500
ctcatggagg gcagccctgt gatgtccctg catggagctg gtgaattact aaaagaactt   1560
ggcatcctct gtgtcgtgat ggtctgtgaa tggtgagggt gggagtcagg agacaagaca   1620
gcgcagagag ggctggttag ccggaaaagg cctcgggctt ggcaaatgga agaacttgag   1680
tgagagttca gtctgcagtc ctgtgctcac agacatctga aaagtgaatg gccaagctgg   1740
tctagtagat gaggctggac tgaggagggg taggcctgca tccacataga ggatccaggc   1800
caaggcactg gctgtcagtg gcagagtttg gctgtgacct ttgcccctaa cacgaggaac   1860
tcgtttgaag ggggcagcgt agcatgtctg atttgccacc tggatgaagg cagacatcaa   1920
catgggtcag cacgttcagt tacgggagtg ggaaattaca tgaggcctgg gcctctgcgt   1980
tcccaagctg tgcgttctgg accagctact gaattattaa tctcacttag cgaaagtgac   2040
ggatgagcag taagtaagta agtgtgggga tttaaacttg agggtttccc tcctgactag   2100
cctctcttac aggaattgtg aaatattaaa tgcaaattta caactgcaga tgacgtatgt   2160
gccttgaact gaatatttgg ctttaagaat gattcttata ctctgaaggt gagaatattt   2220
tgtgggcagg tatcaacatt ggggaagaga tttcatgtct aactaactaa ctttatacat   2280
gatttttagg aagctattgc ctaaatcagc gtcaacatgc agtaaaggtt gtcttcaact   2340
gaaaaaaaaa aaaaa                                                     2355


        <210> 339
        <211> 841
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (403)...(779)
        <223> similar to gi3002527 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 339
aacgaggtgg tcaaggaatg tcaggaaaag ctgcaggtag ccctgcagag gctgataaag     60
gaggatcaag aggctgagaa gctggaagat gacatcagac aagagagaac cgcctggaag    120
gcaggaggag acacctccta agggataatt agacaggaat ctgggcagga ccctgggctc    180
tatcacaagg agacccttc ctctttgctg tgctagaatt aacaagcata gaagtcattt    240
gattaggtct caatttaact ccttccctgt tggagtttag gggctggaga gtagacatat    300
cataaatcaa cactatattt ggaagtgaag gcatggaggg aaatatctgt gaaaacgctt    360
cctgtgaatc ctgtgttcca tttgtgtcat caggtttgag gctccaatcc ttccagtaaa    420
caccctggag aaagacccag gattccctgt ttaggggggtt tcagtagggg gatttttttg    480
tttgtttgtt tgttttttga dacagagtct ctctctgtca tacaggctgg agtgtagtgg    540
cgcgatcttg gctcactgca acctctgcct ccctggttca aacgattctc ctgcctcagc    600
ctcctgagta gctgggacta caggcatgtg ccaccatgcc cggctaattt tttgtatttt    660
```

206

```
tagtagagat ggggtttcat catgttagcc aggatggtct caatctcctg accttgtgat      720
ccacccatct cagcctccca aagtgctggg attacaggca tgagccactg tgcccggcca      780
ggtagaggga tttaagacac agaaaggcaa agttgttcag gacaggtgtc tacaatccaa      840
g                                                                      841




         <210> 340
         <211> 2204
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (2197)...(0)
         <223> similar to gi1118097 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters




         <400> 340
caaaaattta tataatttta caccgattag aaatactttt tacaagcaag cgtaatcaga       60
tagttttcgc cttattccag ataaaaattt ttttatttcc attgagcgta tgatttatgt      120
aggtaggttg tcccaataag tccctcccac agaattaggg ttcataccaa aagtcaccag      180
ctaggtttat atatattacc atttagggaa gaaattataa tattgcaagt atgggtaaaa      240
tttgggcccc caaagggttc tttaaaaagg gccccccttt ttttaagtat tttttttttt      300
tccctctcat cccatttatt aaagaaacag taagaaaaga tacaatgcag gaaaaccacc      360
aaccatcctt gcacaccagg ccgaacaaag cacagtgatt tcttcccttc atcccccacc      420
cccaccctaa ttcccatatt cccatccaca tcagtttaaa ttttgaggtt ctttgattga      480
ttgggagtac cagtgaagag ggagttggat gagtagaggg gccttaaatc tggccacctc      540
taagtcccag gagaagggag ctgcaggccc agtcagtcaa gcagaaactg cattcggtgg      600
gtctttcttt gaagtggttg tccatctccc tgttctgtgt tcaagccccc agggaaaggt      660
atggcagtag aggatgacca ggtccaagct gcccaggtca gagctacgga agcatggtcc      720
gttcaccaac gccacgtttc tagagagcag tgagctgatt ctccaatggt gagcagggga      780
ctacatgtga actgggacct gcaggccaat gtatccctga ggaaaagtcc acaagaacaa      840
ttcaagaaac tagtaagaaa caatgggcag aaagctgtgg gacgaaagca cagcaggctt      900
ctgggaggct ggagatcctt tctctcaagg gcaggattat tcccacctgc cacagttcac      960
atgccacaaa taacatctca ccttcagtca agaaaaacgc aaaggaaaaa gatggctcat     1020
ttgaacttga gcccaagcta tgttcttcag actgtagctc cacaactacc cttttaccta     1080
agacagcccc tgccaagaac cacagtgcct agaaaccaag gtggtcctgg agggaaaatg     1140
gtgtttaagg gggcaacatt ccatttgggt acattgcagc cattggaccc cctggtctgg     1200
ggaaagcagc tgggtttgtg ccagggaggc tccccactct aggaaatggg acgaaactct     1260
tgcctgcagg gccattcatc cttggaaagg aagctgggtt gagacccagg gtcccagttg     1320
gccttgtgaa aggagctggg ttgatascca cagggccagc tggagaaggg cccagatgcc     1380
cggcagctgg cctggggaaa gtaacttgac cagggcctaa tgggccagta gaccttggga     1440
aggtagttgg acttggaccc tgcaggccag tggcccttgg gaagttagct gggttggggc     1500
caagtggccc agaggctctt gggaaaatgg ttggatttga gccctggagg ccagcggacc     1560
tttggaaggt agctgggttt gatgccaatg tgccagaaga ctgagaaaag gcagatgaac     1620
ctgctcccct gggaaaggga ttggcattta cccccatggg gccaactggc cttgagaaat     1680
gagctgaatt agggcctatg gggccaggag cccttgacat gggagatgga tttggccctg     1740
gaaggccaat tccccgagag ctaggacccg agtttgggcc catgggccag ggtactcttg     1800
ccatggagga tgggcttgtg cccatgtttc cagaagcctg tgagaaagaa gctgaatttg     1860
ctcctaaaag acctgctgct cttagaatgg gggcaagatc gaggccttga ggtccagcca     1920
ttcttaagtt aagaccagat cctgtgccca agaggccacc tgctctggca tctagattag     1980
```

207

```
ggcctgggcc caggccactt ggtcttgggt tgggcccaag gcctgggcct ggaaacacac    2040
ctgacctggg ggcagggttt gtccctaaaa agcctgatct cagattgggg tttggtcctg    2100
ggcccaggcc aactggccta ggattgggag gaccattccc agaggttaac agaacaccgg    2160
ctctcaggtt aggtccagat ccagggccca tgggaccacc acct                     2204
```

<210> 341
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)...(633)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 341
```
ttattcggcc ctaaatacat attatgaact gaattttcag ttatctaaat atctcaagaa     60
gacaaaaaga aaatattaaa cctggaaaat gtagaaagaa gaaattatga agtagaattt    120
atgtagaaag cagaatttat gaagtagaaa gaaatataaa tcattcaagc caatagctgg    180
attttttgaaa tgactaattg atgagccctt ggaaagactg aatacgaaaa agagagaata   240
taaaattaac aatattagaa atgaaaatag gaaatcactg cagaacctcc aaacaatgaa    300
aagataataa gagaatactg tgactagctt tgttccaaag aaattaaaac attctagaaa    360
caatatagtg ttagcgaaat acagtttacc aaccctaaca ctagaagtgg gaaatatcaa    420
ctgtcttata tttattaaat gaaatgaatt tataattaaa gccttctcac aaagaagtcc    480
aggcccagat ggcctcactg gttaattcca ccaaacatat aaggaaacaa taataccaat    540
cttaaactct ttcataatac ttcccaactg attttatgag gccaacataa ccctgatcct    600
aaactatgac aaagaccatg caaaaaaaaa a                                   631
```

<210> 342
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(407)
<223> similar to gi1335205 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 342
```
ccccagcttc ccgagtagct agaagtacat acatgtgaat ccagaaggaa actactagag     60
ttaataaatt cagcacagct tcaggataca agaccaacac acaaaaatta gttgtttttc    120
```

```
tgtacatgta caatgaacaa tctaaaaagg aaattaagaa ggctattcca tttaaatagc      180
gctaaacaaa taaaatgctt aggaataaat ttaaccaagg aagtgaaaga cctgcatgct      240
gaatactacc aaacattggt aaaagaaact taaaaagacc taggtaaatg gaaagatcct      300
tagttcctgg gtcggcagac tcaatattgc taaaatgcca gtcctattca aaacaatcta      360
cagattcaac acaatcccca tcaaaattct gacaaccatt tttcccccca gaaatagagg      420
aattccacca catggactag tgtcatcgat                                        450
```

        <210> 343
        <211> 655
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(655)
        <223> similar to gi4959382 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 343
```
ggacacataa tattccctcc tacactggga aaacaaaaca gtagggctag ccaactaacc       60
tcaacccatc ccttccaacc actcaccggg gcggccctgt cttcctctct ctccgcttgg      120
cgatcagaaa acaagatcct aaagcccctc tttgccaaag acctccaatt ttgccttcct      180
agccagggca tattctttct ctgtggcact tccacctagc tctgcttacc cactaactgg      240
acaggaacct gcacgctagt cttccttagt ccaaaaatag acatagcccc tggggataga      300
cccttaccct tccaaattca aacattatcc cgcagacgct gagccataca gcttataccc      360
ctgctaatag gggtaggcat tatggcagct gcacgaacta gagtcgcagg aattgcaacc      420
tctacctatt actacaaatc cctatccaag gacctctctg ataacactga tgacctagca      480
tccactgtat caaccctcca ggcccaacta gactccctag ccgcagtagg tcttcaaagc      540
cgcaggggcc tcgatttact taccgcagaa aaaggaggta tctgcgtctt cctagatgaa      600
gaatgctgct ctatttcag tcaggcctgg ttcaagatgc agttaaaaaa ttaag          655
```

        <210> 344
        <211> 1202
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1160)...(2)
        <223> similar to gi30041 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 344

```
tggcggcggg tcggggcgag aggctgaggg gatctggcgg tggagcgcta ggatcagacg      60
cccccgcgat gaccagctcc cccgtctcca gagtcgtgta caacggcaag aggaccagca     120
gcccccgctc cccacccagc agcagcgaga tcttcacccc agcccacgag gagaacgtcc     180
gcttcattta cgaagcctgg cagggtgtgg agcgagacct gcgaggccag gtgccgggtg     240
gcgagcgggg cctggtggag gagtatgtgg agaaggtccc taaccccagc ctgaagacct     300
tcaagcccat cgacctgagt gacctgaagc gccggagcac gcaggatgcc aagaagtcct     360
agagcgcccg gtgcccctcc ccggcctccg gaagatcagg gtgcgaggtg tcggttccct     420
cctgtcctgt ggtcctgccc ctgggatggg ggtgccttgc tccagcgggc tgcagatccc     480
agcactggcg tgactgacgg ctgaggcctg cctctccttc ccaagccccc ttccttcatc     540
cttgggggtc tcaggctgcc cccatcatgg gggtctgggc cctgcccacc ctcctgccct     600
cccccagcca cctggctgca tttttgaagc tgcctggccc ccagggcccc tgacctgacc     660
tctctcctct cccctcaccc tcctgcccct ggccactgca ggatcaggag gggagaagaa     720
ggagcctctg ctgcctccca ggctgctggg actgggctgg ttttgtcctt gaagtggtca     780
ggatacagga caagggcagc cccaccccat ccagcctggg ctccccgcag acccttgctg     840
ctcccgtggc ctggacacgc tggggagctt ctcacaccta cccctaccgt ccagcctggc     900
ctcttccctg aatcagcttc aagatggcac cagctctttg ggcctaggat actgccgggc     960
cccccaaggg ggtccccagc aaccaggcct ggcctcctgg tgtctgcggt cacagtggcc    1020
cctgggcagg ggcacccagg ctgaccctga ggtgctgctg ctgggtctgt cttggctctg    1080
gggtgtgctg ggagggtcac caggtccctt ttccttcctg tgccctctga aagctaagtg    1140
tctgtgtggc tgtggagctc gagggtctgt gaataaaggc ggcggcactg ggaaaaaaaa    1200
aa                                                                   1202


        <210> 345
        <211> 664
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (121)...(665)
        <223> similar to gi4539527 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 345
tgaggctggg gcaagccttt taaggactgg accacgggtg ggcaggatac cggggggagaa      60
cccgccctgt tagttggggc tggggagggc cgcgcaccga gactaaattg tccttccggg     120
cagatccgct caccaggccc tggcgacctg agcatctacg acaactggat ccggtacttc     180
aaccgcagca gcccggtgta cggcctggtc cccagagcaa gacttcagcc aggatctacc     240
ccacctacca cacagccttt gacacctttg actatgtgga caagtttttg gacccgggtg     300
aggagggaga caaggggcat cctgagacca ggacaggaga ggctgaagac tgagccctgg     360
ccttgtcacc ttgccgcagg cttcagcagc catcaggctg tggcccggac agcggggagt     420
gtgattctcc ggctcagtga cagcttcttc ctgcccctca aagtcagtga ctacagtgag     480
acactccgca gcttcctgca ggcagcccag caagatcttg gggccctgct ggagcagcac     540
agcatcagcc tggggcctct ggtgactgca gtggagaagt ttgaggcaga agctgcagcc     600
ttgggccaac gcatatcaac actgcagaag ggcagccctg accccctgca ggtccggatg     660
ctca                                                                  664
```

<210> 346
<211> 1495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(1495)
<223> similar to gi3928756 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 346
ggaattcgag gcgggggcag cctcgccagc gggggccccg ggcctggcca tgcctcactg   60
agccagcgcc tgcgcctcta cctcgccgac agctggaacc agtgcgacct agtggctctc   120
acctgcttcc tcctgggcgt gggctgccgg ctgacccccgg gtttgtacca cctgggccgc   180
actgtcctct gcatcgactt catggttttc acggtgcggc tgcttcacat cttcacggtc   240
aacaaacagc tggggcccaa gatcgtcatc gtgagcaaga tgatgaagga cgtgttcttc   300
ttcctcttct tcctcggcgt gtggctggta gcctatggcg tggccacgga ggggctcctg   360
aggccacggg acagtgactt cccaagtatc ctgcgccgcg tcttctaccg tccctacctg   420
cagatcttcg ggcagattcc ccaggaggac atggacgtgg ccctcatgga gcacagcaac   480
tgctcgtcgg agcccggctt ctgggcacac cctcctgggg cccaggcggg cacctgcgtc   540
tcccagtatg ccaactggct ggtggtgctg ctcctcgtca tcttcctgct cgtggccaac   600
atcctgctgg tcaacttgct cattgccatg ttcagttaca cattcggcaa agtacagggc   660
aacagcgatc tctactggaa ggcgcagcgt taccgcctca tccgggaatt ccactctcgg   720
cccgcgctgg ccccgccctt tatcgtcatc tcccacttgc gcctcctgct caggcaattg   780
tgcaggcgac cccggagccc ccagccgtcc tccccggccc tcgagcattt ccgggtttac   840
ctttctaagg aagccgagcg gaagctgcta acgtgggaat cggtgcataa ggagaacttt   900
ctgctggcac gcgctaggga caagcgggag agcgactccg agcgtctgaa gcgcacgtcc   960
cagaaggtgg acttggcact gaaacagctg ggacacatcc gcgagtacga acagcgcctg   1020
aaagtgctgg agcgggaggt ccagcagtgt agccgcgtcc tggggtgggt ggccgaggcc   1080
ctgagccgct ctgccttgct gccccccaggt gggccgccac ccctgacct gcctgggtcc   1140
aaagactgag ccctgctggc ggacttcaag gagaagcccc cacaggggat tttgctccta   1200
gagtaaggct catctgggcc tcggcccccg cacctggtgg ccttgtcctt gaggtgagcc   1260
ccatgtccat ctgggccact gtcaggacca cctttgggag tgtcatcctt acaaaccaca   1320
gcatgcccgg ctcctcccag aaccagtccc agcctgggag gatcaaggcc tggatcccgg   1380
gccgttatcc atctggaggc tgcagggtcc ttggggtaac agggaccaca gacccctcac   1440
cactcacaga ttcctcacac tggggaaata aagccatttc agaggaaaaa aaaaa   1495

<210> 347
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(740)
<223> similar to gi160182 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 347
```
tttttttttt ttcagttgag cagacattta ttaagcacct atcaagtgca aggcactgtg     60
ctaggcgccg tgggaaatac agagaacaca ggcggtccct gcccacgagg agctcacagt    120
ctagaaaggg cagcaagaca gtacacaatc agtggcagca gcaccagcca gagtggcaag    180
tgctcaaagc gagacacaaa gtgctgtgcg gtcacaacat catggggatg cttctggcag    240
aagcactgga aaggagacga ggactcaggc tgggccttcc aggagggaag ccatttggga    300
gaagggcatc tctagcggag agaggtccat ctgcagagcc cacaggtcat gggaaacatg    360
tggctgcagg gagagtttgg ggacagtcaa gtatggctgg gaggtggaca gccacggaca    420
ctaagctcag gagatgtgaa ctttgtggtc tggtcaaaca gccactgcag atcacttcgc    480
aggaggaggg gtgactagaa gtatgttact ggaaggtaaa tctggccaca ctgcagcatc    540
tggacggcag agggcagcgc tgggaggggc cagccagtta gggccccacc acccctgggt    600
gtctgagagt gggagtagcg ggcagggggcc agcaaagcac gagggcagag caggggacca    660
tacggagggt gggtgtggaa gaagggaggg gccccatgca agctgcaggt ctggggagcc    720
tgaggatgtc atagggcttc ctggtagagt ggaaagtgca ctcctgaagg tcagggccag    780
tcactacaga gaggggacag cgaggagagg gacggtgtgg ccctaagggt gactgcagtt    840
tctcaacatg tggtc                                                     855
```


<210> 348
<211> 2198
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(2115)
<223> similar to gi3153821 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 348
```
accgggtcga cgatttcgtg ggagcgtgag cgagccaagc gggacgagaa ggaccggcag     60
caccgtgacc gcgaccggga gaaggagcgg gagaaggaga aggggaagcc caagccccgc    120
tccccgcagc cgccaagccg ccaagctgag ccaccaaaga aggaggctgc caccacgggg    180
ccgcaggtga agagagcaga tgagtggaag gacccttggc gccgatccaa gtctcccaag    240
aagaaactcg gggtgtcggt ctccccgagc cgggctcgaa ggcgtcggaa aacatcaccc    300
tcgtcagcct ctgcctctaa ttcctccagg tcgtcttcgc ggtcatcgtc ctactctggc    360
tccggctcct cccggtcgcg atcccggtct tcatcctaca gctcctactc cagccgctct    420
tccagacaca gctcgttctc aggaagccgg tccaggtccc ggtccttctc ttcgtccccg    480
tccccgtccc caacaccttc cccacataga ccttccatca gaaccaaggg agagccggcc    540
ccgccgcccg ggaaagcagg agagaagtca gtgaagaagc cggccccgcc tccagcccca    600
ccacaggcca ccaaaaccac tgctcctgtc cccgagccca ccaagccagg agaccctcgg    660
gaagccagga ggaaggagcg gccagccagg accccccca ggaggcggac gctaagcggc    720
agcggcagtg gcagtggtag cagctatagt ggttccagct cccgatccag gtccctgagc    780
gtgagcagcg tctcctcagt gtccagtgct acgtcgagca gcagctctgc acacagcgtg    840
gactcggagg acatgtacgc agacctggct agccccgtgt cctcagccag ctctcggtcc    900
ccggccccag cccagaccag gaaggagaaa ggaaaatcta agaaagaaga cggtgttaaa    960
gaggaaaagc ggaaaaggga ttcgtccaca caaccaccca aatctgcaaa acctccagca   1020
ggggggaagt cctcccagca gccctcgaca ccccagcagg caccccccgg gcagccccag   1080
```

```
cagggcacat ttgtggccca caaggagatc aagttgacac tgttgaataa ggcggctgat    1140
aaaggaagca ggaagcgcta tgaaccatca gacaaggaca ggcagagccc tcctccagcc    1200
aagcggccca acacatcccc agaccgaggt tctcgggacc ggaagtcagg tgggagactg    1260
ggctccccga agccagagcg gcagagaggc cagaactcca aagcccctgc agccccggct    1320
gacaggaagc gccagctgtc accccagtcc aagagctcca gcaaggtcac gagcgtgccc    1380
ggcaaagcct cggatcccgg cgccgccagc accaaatcag ggaaggccag cacgctgtct    1440
cggcgggagg agctgctgaa acagctgaag gccgtggagg atgctattgc acgcaagcgg    1500
gccaagatcc ccgggaaagc ataggccgtg ccccgaccgg actggacgca tttttataca    1560
tagggtaagc gcagccattt tggattttgc agttaatgtc ttattttggc tgtgattctt    1620
tttaaaaagt aaaaaagaaa aaaagtttc tcagctggaa aagaagccac acaggaaatg     1680
acaacgacgc tgaatcccag cctccctccc cagagcagaa gtcccgcagg acagacagac    1740
acagacagcg ctagtgacca gcacggttct catgtaaatt acaagcccca gccgccagcc    1800
ccgccttctc ttcctcctcc tccgtcttct tccctggccc tggtcaggcc tgtggagccc    1860
cagctctggg tccctagccc gggtccaggc agccaggctc cctcctgagc tgagaaacgg    1920
aacctcgcga accactggtg gcacatcctt ctcctccccc gcccctgatc acccgccccc    1980
ggatcagaaa tatatctata ttctcgacta aagtctcatc aggaaatatt tcctgtcttt    2040
tattttaagc atcaaattgt tttagttgat ttaaaaagga aaaaatacag aaaagaccaa    2100
aaaaaggcca agggtgttgt tggggcgtct gtctaatgtg gtgggtcttt ttttgagggg    2160
tctcctaaaa taaaatattt tgataagcaa aaaaaaaa                            2198
```

<210> 349
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(491)
<223> similar to gi3599339 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 349
```
gcggagactg gttcccccag tgtcctccag gctgcctctt tgaagtgtgg gggcatggca      60
gcattgtaaa gtgtggctgg tacaaaccaa ataaacctta agtttaattt ggagtgggaa     120
gaacagaatc attaaaacaa tcttgaaaaa ggaagacaaa gttggatact taccctacct     180
gactttaaga cttacagtga agctgccata ctcaagacac tgtggtactg gcgaaaggag     240
acacaaatgg atcaatggaa aaaaatggaa ggccaagaaa tagacccaca catacatggt     300
caaatgattt cgacaaggac acctcgacaa ttcgataggg aaacagcctt gacctgtact     360
ttactaaatg tacaaaaatc aattcacggt agattgtaga gctaagtgta acagccagag     420
ctacaaagct agtaaaagaa acatgggaga atagctttgt gacattggga taggcaaaga     480
tttcttaggg ataatccaga aagtatgatc                                     510
```

<210> 350
<211> 883
<212> DNA
<213> Homo sapiens
```

213

<220>
<221> misc_feature
<222> (1)...(884)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (168)...(879)
<223> similar to gi193573 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 350
agaatgtctg tgggacgcca gggcgccacg agggtctgta cagccctgct gtatggccag    60
gtctgcccct tccaggacag cactgatggc ttacggtagg gtggggctgt cctccaaact   120
ggcagcaaca ggccagggac ccagaaccan gcaggggtgc cctggagggt tgtgtgggag   180
aaggccaggc ctctgactca gctgtctact ccatcaccag caccatcacc tccattttgt   240
tcaactggcc ccccgaaaan acttcagttt actatcagcc cccgcaacgg tcatctttcc   300
ggataaagct ggccttcagg aacctctcct ggcctggact gggcttggag gaccatcagg   360
aaattgtcct aggccagttg gtgcttccgg agcccaacga ggccaagcca gatggtgagg   420
gggcttgcag tctgcaagac tttccggggg tggtgttttg gggctacaat tcccttaaat   480
tccacccggt catttctgtg cttggaaaac ccagtgaaaa atgactggtg tggtgacctt   540
ttctcctttt ccagatcctg ctccacgtcc tgggcaacac gcattaacaa tgccggccct   600
ggagccagca ccaccactgc tggcggacct ggggcctgct ctggagccag agtcacctgc   660
agccctgggt ccaccaggat atctacattc agcaccaggg ccagcaccag caccagggga   720
agggcccccct ccagggacag tgctggagcc acagtcagcc ccagagtcct cctgtccctg   780
tcgtgggtct gtaaagaacc aacccagtga ggagctgcct gacatgacga ccttccctcc   840
caggctgctg gcagagcagc tgaccctcat ggatgcgacg aaa                     883

<210> 351
<211> 1115
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (406)...(1112)
<223> similar to gi557084 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 351
tttcgtagga ggagctggcg tgggagaccg acggccgtga gtctgcctgg aggagggagg    60
ggggcgggcc gaggccgaga ggaccccgc atccgtttgg ggagtgccag gggtgaggtt   120
ggcgccctcc gaacggccac ctccgtgtgg ggcgtctgtg tggctccgag cggaatggtt   180
accggtccgc gcactgggcc gaggggacct tgccagtgcg tctgggactc ggggaccaca   240
cccgccaggt gagcggggag cagcggctga gaggttagct acaaataata aaggtaatag   300
cgatccttga ctgcgtgctg tactttgtgt gccaggcctt gacccaggag aggcacgtca   360

```
tttgatcttc gctgcggcca tatggtgctt cctctggaga ggcagctcca cgaggccgcc      420
cgccagaaca atgtcggcag gatgcaggag ctgattggga ggagggttaa caccagggcc      480
agaaaccacg tgggcagggt ggccctgcac tgggctgcag gtgcagggca cgagcaggct      540
gtgcgtctgc ttctggagca cgaggctgct gtggacgagg aggatgcggt aggggccctc      600
acagaggcac gtctgtgtgc ccttggtcct ctccttgcct tggccccagc ctctgcttcc      660
ctcctctctc cagtgctgtc cttgtctgca ccacccgcct cctgcctcca aattcccgcc      720
tgtttctaaa gcaaagcagt gcaactctct ttggatgctc gggagcctgc tgatcatttg      780
ggatgaatgc gcttctcctg tctgcctggt tcggccactt acgaatcctc cagatcttgg      840
taaactcagg ggccaagatc cactgtgaga gcaaggatgg cctgacctta ctgcactgcg      900
cagcccaaaa aggccatgtg cctgtgctgg cgttcataat ggaggacctg gaggatgtgg      960
ccctggacca cgtagacaag ctggggagga cggcgtttca cagggcagct gagcacgggc     1020
agctggatgc tctggacttc ctcgtgggct ctggctgtga ccacaatgtc aaagacaagg     1080
aggggaacac tgcccttcat ctggctgctg gtcgg                                1115


          <210> 352
          <211> 1447
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (17)...(1443)
          <223> similar to gi2443342 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters


          <400> 352
gagggtgagg cagcccccag gtctctgggt caggcggacg gtccctgcaa tgcagtgccc       60
ggcaggactg agcagggttc ccggggtcgc cggtacccat ccctcccaag cttccggggg      120
ccccgggacg aagccgctca cagaggcacc attcagacgg ccagacacac acgaaagctt      180
tatgtgcagg gcccagcctc tgggccgccc ttgcccaggg tttccactca agttgctatt      240
taggatgaaa agcctttggc aagaccctcc gccgcactaa cgcccccttc ccccagggcc      300
agaaacccgc agggaaagca gccccaggac ctgctgcagc tggcagggtg gctatgagac      360
tcaggacacc ctgggctcct ggccagtgac tcacagcggt cctccagcaa gggcagtggc      420
tgggagacac ccgtgccgtg gagctaggcc cagcctggct gggtctcagg gctgcttctc      480
ttgggtgacc ccagcggccc agggtcgttg tgaagatcaa cgtggcttgt gggaggagcc      540
cggggcccag aaggaagtgg ggtcagggggc tcaggctggc cctcgggctg ctctgacatt      600
gggtgggcac tcgctggatg gaatcacagt taacacctcg atcccaacac ctggactcag      660
aagtggacag gcgagtgcct gccccgggag aggaaggagg tggcacctgc tcccagggggc      720
cccactgcag agcacggcca ctgtgagctg acgacagaat cacagtacag caataatgtc      780
cctatcctct tccagaaccc cagtggggcc ctcaggtcac gcaggacgga gccagctggg      840
tgggtcccac caactcggca tgaatgagac gacggatgaa ccgcagcccc agcatcagga      900
ggggcgcctg tgtcaacacc cacgtgggct gggacccgt gaatgccagt ctggggccga      960
cggacccca gggaaagcct gggtgcaggc caccttgtgc gctgcccaag cctgcaggcc     1020
ccgagaggtc agcctgagga ggcagcctcg gctgccggta atgctgcctg cttcatctgg     1080
gccacctccc gctccaggtc ctcgccggct cgctgcagga gctcacacct ctgcctcagc     1140
acgttgcccg cctgctgcag ccgctggttg gcagccacgt aggcccggct ttgctggtag     1200
agctgctctc ccggggcctc cgcatcctcc atcatcctga agggaactgg ggggtcttcc     1260
ggggccagga tggtgaacac tggatcctct gccggcgcac cccgcacatc ctccaggatc     1320
tgctccaccg tggggggcgc tgggcggggtg ggcagcagca cgcgcttctt tgccttggag     1380
cccatctctc tgcctcagtt tccccgcggt caccccagtc gccggcctct tcccacctgg     1440
```

215

```
<210> 353
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(609)
<223> similar to gi467528 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 353
gcggtgctca aggtgcggcc cgagcgcagc cggcgcgagc gcatcctcac gctggagtcc     60
atgaacccgc aggtgaaggc ggtggagtac gccgtgcggg gacccatcgt gctcaaggcc    120
ggcgagatcg agctcgagct gcagcgggct ggagtgcagt ggtgcagtta tagctcactg    180
tggcctcaaa ttcctgggct caagtgatcc tcctgcctca gcctcttcag aagctaggac    240
tacagggtat caaaaagcca ttcacagagg tcatccgagc caacatcggg gacgcccagg    300
ctatggggca gcagccaatc aacttcctcc ggcaggtgat ggcactatgc acctacccaa    360
acctgctgga cagccccagc ttcccagaag atgctaagaa acgtgcccgg cggattcctg    420
caggcttgtg ggcggggaac agcctggggg tccttacagt tgcttagcca ggggttttca    480
acttgcattc cgttgaagat gttggcttgc cttacattca ccaggaggga tggccggtgt    540
gcctgcggac cccgacaaca tctacctgac cacgggagct agtgacggca tttctacgat    600
cctggagacg tctttctttg tgccttgatg ttgagagcgc                          640
```

```
<210> 354
<211> 912
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(43)
<223> similar to gi3327136 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 354
aggagctggc tagtcaggaa cttattcatt aaccaccaaa cctctacctc ttctctcctt     60
gactgtcacc tgtaggacag tttatcagtc aactaccttt cctccagact ttacttccag    120
gctctcctct tcagtagctg gatgacttta gcagaaagga ctggtaaata caagccttgg    180
gtttcagaat gaattagaaa caaataactc ttactgtctt ccctcccagc tttgtttatt    240
ttgtgctttt agactttca gtgttttctt tttccagccc actgtataaa cttggattgt     300
```

216

```
ccattcctcc tgaagaaatc aagttggtat ttttgatgtg gaaaagggaa caaaagtgga    360
aacatggcta cttttgggga gtgatatttt aaaaaataag ttgtctatgg cacaaagtt     420
ttcttcattt gtgtagcaaa cttcttgtga atgtggatta caaaatggta taattgtgct    480
actctcccct gggtggtttg cagccctaat gaaattatgt ctaggatgat tcagtctatt    540
tcccatttac tagcagagta acttgttaag atcagctggc tttcttgtta aagttattta    600
agttttgaat gctctactac ttcaagtctt taaatttctt gagactagaa taattttaaa    660
taatatgacc ctttgtcttc taatgaaata aagattgaag aggttgagtc aggactgagc    720
tggtgaagaa atcttgtggg tattctggaa atttgatacg gagagaactt ggtgagctat    780
gaattactct cagtctcctt tttacagggt tgttgtgatc cctctttttcc agaaaattct   840
gtggaatgtt tctgtaggac tttgttctcc acaagcttga attaaagcag gattcagttt    900
gcaaaaaaaa aa                                                         912
```

```
<210> 355
<211> 1392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1393)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1336)...(271)
<223> similar to gi2317934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 355
tttttttttt ttnnacaata gtccatatat ttattcttaa gcaagttatc aataaaaaat    60
ttgatactaa aatgccttta catagagtct gctgttcata aaacctttgt gtgttttttt   120
gtccattttg tttttagtgt ttacattgaa aaaaaatcca accatcccct tagtttacac    180
atttacagga atcgtgcctt cgtcacgtta accacggtga gaggggaggg gccgcaccat    240
tcgcacgcac acagaaaaaa aaaggaaaaa accagggaca aagcggaacc cagcagaagc    300
gggacgagga cgaggcggcg gagcagagga tccaacctcc gtggctgcac cctcctcggc    360
cctctctgga actccagtgg ctcagcatgc ccccgtgcat ttttcttcac ttgacatcgt    420
tctgatcccc gagcctcaag caggacctcg tccaaccacc tccccagaca tccaccggga    480
atgaaatatt gcactcatgc gagacaaagg gtaggctcgg gggtgggagc ggggggctga    540
aggcgggggac cnccgaccac aacataagcc cccagccttg agcctcctgg ggagcctctg   600
ggaacggccc ttcagggggt ccagccagca ggtgagaaac aggccccaat gggcccgaga    660
aaaatagggg gccaagggga cctgggattg gggtgcaggg cacccaccag caccctgctt    720
cgaggcctgt ggtgtggggg acacagagct cgtcctagag cagtggctaa cttggggggc    780
tttcctgaag ctcccgtggg gccagggaa ccttagtgtg ggaggatata aggagtgtgt     840
ggcccccat gcgtttctga ggctgaaggc tgttgggctc aggtccaggc agcctgtctg     900
tccttggctg tgggagaagg ggaggggtgt gaattccctg gggatactgg ggcagagccc    960
tcgaggggtg ctgcttgcac ctggggccag gatttgggct caggtggtca gggggaccct   1020
cattctatgc cccaagcact agcccatcag gccatctgcc ccaccaagtg gcacagaaaa   1080
ggccgagaaa cctccaaagg ggttggggca ggcagagggg tccgagggcc aggcagattt   1140
ggctggtgga aaaggggggcc cagaaagggg ccttccccaa gggcagggcc tgcgtttttat  1200
tttcttctcc cctggccaca gcactgctgg cctggcctca ccaccatcta cgcagcaggc   1260
```

```
cagggggtttg ggggcaccaa taaggtgggt gggaaaaggg gtgtcttttg catgcattct     1320
gcttgggggt gaggagagaa tctggtggga ctgtgaacct gccctcatag gccccgagcc     1380
ctgcccagtt ca                                                        1392
```

```
<210> 356
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (908)...(2)
<223> similar to gi439877 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 356
aagtacaaaa gatttaaatt ttgatgaagt caagtttttc tgtttttctt ttttcacttt       60
atgattttaa tattatatct aaaaaggcct aatgttgaga agctttactc ctatgttttc      120
ttctaaagtt ttatagttta catttaggtt tatgacccat cctcacttta agttttagca      180
tatggtgtga ggaagggatt cattttcatt cttttgcatg tagatgtctg gtagttccag      240
taccatttgt tgaaaagaca gttctttgta cattgaattg tcttggtatc cttgttgacc      300
tctcatctgt ggccccattc ctggctctag attctctcct tcatttttca tttatccaag      360
gatctgtgag tttagttaag tcactttcta aggctgctcc ttttgcccat agttctctcc      420
cattagtcaa aaatagttat tgaacattat ttattgagtg ttccagtaaa tgatagggca      480
atgaacacac acagtgtccc tactcttgtg gtgttacggt ataaaatact tcagagtttg      540
tagatgaaac ttaatttttt tggctggtct tttcttagaa accagtattt aaaaatctga      600
atatcaaaaa aaaaaaaccc tcttaaaagg ccagtaattt aaatttttt catttaacg      660
gggattaaaa aaaataaatt taaaatttt ttttttttgg gggcaaagtt tggctttttg      720
gccaaggtta aaggccaggg gggaaatcta atttaatgga accttccgcc tcggggttaa      780
aacaattttg ggggcctaac cccccggaaa actgggaaca acgggttggc cccccaagcc      840
ccagtaaatt ttggattttt aagtaaaaac gggggttcccc cttgtgaatc aggcgggtct      900
aaaacccc                                                             908
```

```
<210> 357
<211> 996
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (725)...(996)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

218

<400> 357

```
atctcctggg tttaagcaat ccgcccactg cagtctccca aggttctggg attacagatg      60
taagctacca agcctggcct tgtgggtgga ttttaaggat tccttaatat cttcataaaa     120
accaagaaac tttttactca aattagcaaa ataaattgaa ttttatgttg gttctcatat     180
agtggatagt ggacacaatt caattagttg cctcatatga tttataacta agatacctct     240
tagccataaa tggagtatct tattgacaat tttgaagcat ttccacagat ttattcattc     300
atttatatga aatatttcaa aacaaaaata tttactgagt ccttatttga aacttttat      360
tttcttcaga gcatttatat ctatatagca ttttgctcat ttacatgttt gtttattact     420
atgaacagat acacaagatc ccacctttcg tgaagcttac attctaggaa gataacaaac     480
ttgtaaataa gtgagcaaag taatttcaga tacatattat cagttcaatg aagaaagtaa     540
aacatgataa tcatgtaata gaagctgctc agcaacttca gagctatggt cagggagggc     600
ctggggatgt gtgtttgacc tgggaagacc tgggaaaagg caggcagagg aggcagagga     660
ccatcaagtg caaagactct aaggtggaaa cacatttggc aaattcaagg aatataaaaa     720
ccgccaacgt gtaaaagaaa acataggga aaagcttcat gacactggcc ttggcaatga     780
tttcctggac atgacaccaa agaccaggca acaagaccaa aaataaacac atgagactac     840
agcaagcaag cttccccaca gcaaaggaaa cgattaacag agcaaaaagg caacctatgg     900
aataggagaa agtacttgca aaccacatac ctggtaaggg gttaatctcc aaaatacata     960
aggaatatct gcaactcaac aacaaaaaaa cctgat                               996
```

<210> 358
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(935)
<223> similar to gi2689442 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 358

```
cggacgcgtg ggggaaaatt ctatagccac aagttcagcc ttatcaatca ttggcgtgtt      60
cacactggag aaaggcctta tgagtgcagt gaatgtggga aattttttag ccaaagctca     120
agcctcatgc aacatcgaaa agttcacact ggagaaaaac cttttaagtg caatgaatgt     180
gggagattct ttagtgagaa ttccagcctt gttaaacatc agagggttca cactggagca     240
aagccttatg agtgcaggga atgtgggaag ttttttcgcc acaactccag tcttttaaa      300
catcgaagga ttcacactgg agaaatgcag tgattgtgtg aaatcctta gccagcgttt      360
caacctcatt caacaccaga agttcacag tggaaaaaat cttgaaggta acagatggaa     420
atccgttagc cacacctcca gtctcattca acactggaca gtttacaatg tggacaatgt     480
agtgaatatg gaaaaaggtt tcagccaaag gcctaaccct attcaacacc agaaagttta     540
gaatggagaa aggccttagg gtgacaggtt atgtactgtc tctgaatcaa tatgacctca     600
cttaaaacag aaactctgag gatggccttt atgagggagc tggcaattga acatcattca     660
tctaaatatg cacactggag gcaagatgag aattcctgac agattgtcct tcctgagaag     720
acagccctct gccttggagc tccagagaga gggagccctg tattcttggc tgtacccgtc     780
gaatggagtt ttgatctcgc tgagtttgga gttgggggag gaaaggagtg gtcttggttc     840
aaatgtgact cacttttgct gttcttgtga atgttagatc ttctttaata aatatttatt     900
tcccatacac ccttatgacc attaaaaaaa aaaaa                                 935
```

219

```
<210> 359
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (230)...(727)
<223> similar to gi4101720 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 359
ggagacgaat ccatggccaa gaatgcagac tgggaaaacc agctaagcca ggcgcgcaag      60
gagttggaga ccctgcgggt gaggctgggg cgggtggtag gccaggcgcc caagaacagg     120
ccagctgagg cttctaggct tgacatctcc ctccaccccg ggaagaagat ggaggcttgg     180
tgccaaggag cctgctggtg ggcactgacc cctcccgtgg ggttcgtagg agcgcttcag     240
cgaatcgacc gccatgggcg cctccaggcg tcccccagag cctgagaaag cgcctcccgc     300
tgccccgacg cggccctcgg ccctggagct gaaggtggag gagctggagg agaagggggtt     360
aatccgtatt ctgcgggggc cgggggatgc tgtctccatc gagatcctcc ccgtcgctgt     420
ggcaactccg agcggcggtg atgctccgac tccggggggtg ccgaccggct cccccagccc     480
aggtgcgcag gagcttcagg ctggcggggga tgcgggggcag ggtctggagg ggagcccagg     540
ggcatctgtg gcgggcagag ttgggcgagg gaggtttgga ttgtaggctc ggctcaggta     600
ggagcgcatg cgtagagcgg agaggcggag aggggcccac ccaagtcaag gagctgactc     660
gcgcctcccc cacgccgcgc cctcgctggc tcagatctcg cacctgcagc agagccggct     720
cccggagcag ac                                                       732



<210> 360
<211> 1031
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (361)...(1016)
<223> similar to gi2388676 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 360
tgctacgtgg aaagtctcag atgtattacg cctttgctca gcttaccatg aacacttcct      60
aatgtaatat ccccagcagc agaagacaga aatgatgatt ctgtataaag atacttggct     120
ttcagcaaac catcttcggt agatacagta acagaacttc cctgcagttt atctatggtc     180
acagcacttt tatctgatgc atgaatatct atatttccat aaactgttcc cagacagatc     240
acttcgcctc cttttgtttg aacatgcaat ttttgaccct taacagactg caagtactta     300
gtcccatgct ctgtttcaat tttgcaatta tcaccctcaa tactttgaac ttttacacag     360
```

220

```
ccagaccctg atgacttgat atctaaacct ccacggacgc ctgggggtgg atagtatcag    420
acacaatggc catctcctcc agatcctcgt cgtacttcac ctgcaggccg tccaggcccc    480
gcacgccgcc ctccacgccg cacaccgcga ccagcacgcg gtcgccatcc gggtaggtga    540
gggggtccag gggcctcacg gccaggtggc acgggagccg cgcccgcagc cgaccaaacg    600
ggctcacctg cagtgtccac tccttcagag ttcggcgcgc cgggccaggc ggagggacct    660
cagtctccga tccgggccag cgctcgctcc cacctgagct gtacggcctg gcttggcaag    720
cccagcaagc ccagcgccca gcgccagccc acagtcggac ctgacggaga cagagacgga    780
agcagccaag ctcccaacct gagcaggggg caagcatggc gcgcctctct cgccagtcct    840
cagaacactt cagccacagg gagggtcact tgccacggcc aatcgacttg gccactgtgc    900
cgcctcaagt caaataggag acgtaagtca gggtttgctg aaacaagagc gagccggttg    960
gcttgactag gcgttctaaa catcagccgc gcaatcccca ggggcaagtt gggatttgaa   1020
agctcacgaa a                                                        1031
```

<210> 361
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (388)...(457)
<223> similar to gi3877572 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 361
```
aacattggct tgagattcca agcagaaatc cctgaactcc aagatatctc tgccctggcc     60
caggacacac acaaggccac actggtatgg aagccctggc cagaactaga aaaccatgac    120
ctccagcaaa gagtggagaa tcttctgaat ttgtgcagtt ccagtgcatt gccaggtgga    180
gggaccaatt ctgaatttgc tttgcactct ctgtttgagg ccaaaggtga tgtgatggtt    240
gctctggaaa tgctgctact gcggaagcct gtcaggttaa aatgtcatcc tttagcaaat    300
taccactatg ccggttcgga caagtggacc tccctagaaa gaaaactgtt taacaaagca    360
ctagccactt acagcaaaga ctttattttt gtacagaaga tggtgaagtc caagacggtg    420
gctcagtgcg tggagtacta ctacacgtgg aaaaagatca tgcggctggg gcggaaacac    480
cggacacgcc tggcagaaat catcgacgat tgtgtgacaa gtgaagaaga agaagagtta    540
gaggaggagg aggagaggac ccggaag                                        567
```

<210> 362
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (189)...(476)
<223> similar to gi1655699 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 362
```
ttatttagtt ccttcatctt gatccatctg agtttgcagc tttgcaaacc atgagaaaaa      60
ctgctgtgcg gtttcaattc tttcttcttc cattcctaag gaagtgaagc ccttcaagag     120
aatgtcttct gtagattcag gcactactga agtcagttca atgggcagtg actgggatgt     180
taaactgcac aagtcttcaa ttggaagctc agctggcacc ggcaagttct ctgccgccgc     240
cttcagctcc aataccgagt ccgtctgcct gtcggtcagc ggcgccgtcg tgtccggtct     300
ccgatcccag agagccagct tttccctagc gtcccgctcc gccgccgcct caggcagcag     360
caacagcgcc gcctccgcca tcgccgccgc cctcgcggcc ttcagcagca gcgagatgga     420
ggggaccccg acagagagac ctgggccact tccgggagaa ccggagcttc caacactgca     480
ccggcggcgg ggcgggacgg aatgcccacg aaatcgtcga ct                       522
```

<210> 363
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(601)
<223> similar to gi158695 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 363
```
ctccaccttc ctggcctctc tggctagcgc ctgcctcagc ttagctgcct ctatcttgag      60
ctcgctcacc tctgcccgcc tggcctcctc ccactccctg gcctgggcgg aggcggcgtc     120
atagcgctcc agctcgaggt cccgctcctc cagcacctga aggttgtaga caaagtcctc     180
ctgcagacac cgcagtttcc cctgcgcctc ctccagctgg ctccgtgtgt cctgcagagc     240
cgcctcctgc agctgggtgc ggtgtgcctg cagcgccctc cactcctcct ccttgcgaag     300
cagcagctca ttcagggcgg gctctgagcc cagtggcagc atggtggccg cctgtggtct     360
gacctctctc caggcaggcg gtgttggaac tgaaccgaag gacacccgcc gagtctgcgg     420
cagaactgac tgctcatgtg ctggtgaaaa cctccctctc ccaccacatt tgatcacaga     480
agtcttcctc tgtgctgatg attcttgtgg tatcagagta gaggaaaaac agtttcagtt     540
ttccagaaat accctaacgc ccgccagcag cgctggccag gtcccgccgc gttgcacgaa     600
a                                                                     601
```

<210> 364
<211> 1262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (66)...(1214)
<223> similar to gi1504040 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 364
tttcgttgga ggtcctgcag ttgggcagga actccatccg gcagattgag gtgggggcct   60
tcaacggcct ggccagcctc aacaccctgg agctgttcga caactggctg acagtcatcc   120
tagcggggcc tttgaatacc tgtccaagct gcgggagctc tggcttcgca acaaccccat   180
cgaaagcatc ccctcttacg ccttcaaccg ggtgccctcc ctcatgcgcc tggacttggg   240
ggagctcaag aagctggagt atatctctga gggagctttt gaggggctgt tcaacctcaa   300
gtatctgaac ttgggcatgt gcaacattaa agacatgccc aatctcaccc ccctggtggg   360
gctggaggag ctggagatgt cagggaacca cttccctgag atcaggcctg gctccttcca   420
tggcctgagc tccctcaaga agctctgggt catgaactca caggtcagcc tgattgagcg   480
gaatgctttt gacgggctgg cttcacttgt ggaactcaac ttggcccaca ataacctctc   540
atctttgccc catgacctct ttaccccgct gaggtacctg gtggagttgc atctacacca   600
caacccttgg aactgtgatt gtgacattct gtggctagcc tggtggcttc gagagtatat   660
acccaccaat tccacctgct gtggccgctg tcatgctccc atgcacatgc gaggccgcta   720
cctcgtggag gtggaccagg cctccttcca gtgctctgcc cccttcatca tggacgcacc   780
tcgagacctc aacatttctg agggtcggat ggcggaactt aagtgtcgga ctcccccctat 840
gtcctccgtg aagtggttgc tgcccaatgg gacagtgctc agccacgcct cccgccaccc   900
aaggatctct gtcctcaacg acggcacctt gaacttttcc cacgtgctgc tttcagacac   960
tggggtgtac acatgcatgg tgaccaatgt tgcaggcaac tccaacgcct cggcctacct 1020
caatgtgagc acggctgagc ttaacacctc caactacagc ttcttcacca cagtaacagt 1080
ggagaccacg gagatctcgc ctgaggacac aacgcgaaag tacaagcctg ttcctaccac 1140
gtccactggt taccagccgg catataccac ctctaccacg gtgctcattc agactacccg 1200
tgtgcccaag caggtggcag tacccgcgac aaacaccact gacaagatgc agaccatgta 1260
tt   1262

<210> 365
<211> 1055
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (228)...(1023)
<223> similar to gi2842469 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 365
tttcgtcacg accacaccaa ataacagcag cagagggagg tgggggagag ggaaataaag   60
gggagtcatg cttaaaatgc tacagcggtg tgaaacagca gagcaaagaa gcgcccccag   120
cttctgagag ccctggcccg agtcccctcc cccgttagaa acagggcttt gggatggtca   180
tggagcactg ccagtaactc caaccgcagc acgccggcct gctcgcccat cctccggaag   240
cggtctcgct cgccaacccc gcagaaccag gacggagaca ccatggtgga gaagggctca   300
gatcactcct cggacaagtc cccgtccaca ccggagcagg gcgtgcagcg cagctgctcc   360
tcccagtccg gccggagcgg cggcaagaat ccaagaaaa gccagagttg gtataatgtg   420

```
ttaagcccca cctacaagca gagaaatgaa gacttcagaa agctctttaa gcagcttcca      480
gacacggagc gcctcattgt tgattactca tgtgcactcc aaagagacat tctccttcag      540
ggccgactct acctctctga aaattggatc tgcttctaca gcaacatctt ccgctgggaa      600
actctgctga cagtccgttt gaaagacatc tgttccatga ctaaagaaaa aacagctcgc      660
ctcattccca atgccatcca agtttgcact gattcagaaa agcacttctt cacttcgttt      720
ggggcccggg ataggacata tatgatgatg ttccggctct ggcagaatgc tctccttgaa      780
aagcctctgt gtcccaagga gctctggcac tttgttcacc agtgctatgg gaacgaattg      840
ggcctgacca gtgatgacga ggactacgtg ccccctgacg acgacttcaa cacaatggga      900
tactgtgaag agatccctgt ggaagagaat gaagtgaatg acagctcatc caagagcagc      960
atagagacca agccagatga cagtccacag ctgcccaaga aatccatcac caacagcact     1020
gtagtggcgc gctctctgaa tcaacttggt cgtcg                                1055
```

```
<210> 366
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(384)
<223> similar to gi4240217 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 366
ataacacttg tttgggaggc ctcggtcagt actcttcatg gctggttcag gatgccatta       60
ctcaggccca ggtttgctat gcgtcctgca gaatccggct agaatatgat aggagctcca      120
gctctgcaag gagtcctggc caacccgtgt gccgtcttgc tcagagcacg cacaggcagt      180
ccgggccgtg agcgactagt atcaggagtt tctccgcaag cagtagagct agttcttgga      240
tgtgatggcc agcgttcaaa tagagaatgc tgagctcaag gtcaaggccg cccagctaga      300
ccatcagcag cagtgtctgg aggatgcaga gagcaagcac agcatgagca tgttcaccct      360
gcggggcagg tatgaggagg agagtatt                                         388
```

```
<210> 367
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(702)
<223> similar to gi180392 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 367

```
tttcgtaaag aaggttccaa gctggagctc ccagggagat ggggaaagtc gggggaatgg     60
cagccctgtg tggcacctgg agacaggggt gccaggaaga gaacgggcag gatgcccatg    120
ctgatcagag gctcagtacg aggacagaaa tgaccttcag catcggccca gctgagagcc    180
agcctggagg ttacccagca gcaggccacc caggccgaag gccagctact agagctgcgc    240
aagcaaagca gccagatcca gaactcggcc tgcatcttgg cctcctgggt ctccggcaag    300
ttcagcagcc tgctacaggc cctggaaata cagcacacga cagcactgag gagcatcgag    360
gtggccaaga cgcaggcgct ggcacaggct cgagacgagg agcagcggct gcgggtccat    420
ttggaggctg tggctcgcca tggctgcagg atccgggagc tcctggagca ggtggatgag    480
cagaccttcc tgcaggaatc gcagctcctc cagcccccag ggcctcttgg gccactgacc    540
cctctgcagt gggatgaaga ccaacagctg ggtgacctga agcagttgct aagccggctg    600
tgtggcctcc tcttggaaga ggggagccac cctggggcac cagccaagcc tgtggactta    660
gcccccgtgg aggccccagg tcccctggca ccggtcccaa gcacagtttg tccactgagg    720
aggaaactct ggcagagtaa ggaggccgtt cgtgtatgtg tgcccctgtg tgtgcgtgag    780
caaggaagtg cctgtgtgtg ctgtgagcac gtgtgtgtgt gcatgttcgt atgcacgtgt    840
gagtgagggg ggcacttgtt ttgactgtcc tgccgggaca tctgagcc                 888
```

<210> 368
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(411)
<223> similar to gi2197085 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 368

```
gaaaggaaat aatgttatac agaaaaaggg aaaggggtgt ctagggcaac tagggtgaat     60
atttgaaaag atatgctctg acacgcaaga atttatttca ccagaaataa atccacaaat    120
ttgtagttgg ttgatttttg acaaaggtgc caagaacatg ccacaggaaa ggacagtctt    180
ttcaataaat ggtcttggaa aaactggcta tctacatgca gatgaatgag accaggccct    240
tatttcacac catatacaaa aatcaactca aaatagatta aaatgcaaac ataagatgtg    300
aaactgtaaa actactggaa gaaaacacag gggaaaatct ccatgatact ggtctgggca    360
atgttttcct ggatatgacc ccaaaaacac agccaacaaa acaaaaatag acag          414
```

<210> 369
<211> 929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (291)...(885)
<223> similar to gi52998 in the genepept database release 114,

<400> 369

```
ccgtgtggtg gaattcccaa ctcattcagt gacaacacgt tgagatcttg aaactggcca      60
cagcatggat atttacacca aagaaattgg caaatgctat aaaccatgga ttttttttc      120
ttttgagaga gagcaagctc aatattccaa cttaccagct cactcctgac cctcaccacc     180
cactcttttg gagcaggtgg ccagaggaag gggcaccctg agcttagctc cccggcaggg     240
caggaaaggg cagggattct gaagtccaca cacaaactca ggctcccta ccccagccaa       300
ggtgcatttt cccttccaca cctgtgacct gaggatcgac ggagactgct tcatggtgtc     360
ttcagaggca gacacctatt acagagccag gatgaaatgt cagaggaaag gcggggtgct     420
ggcccagatc aagagccaga aagtgcagga catcctcgcc ttctatctgg gctgcctgga     480
gaccaccaac gaggtgattg acagtgactt cgagaccagg aacttctgga tcgggctcac     540
ctacaagacc gccaaggact ccttccgctg ggccacaggg gagcaccagg ccttcaccag     600
ttttgccttt gggcagcctg acaaccacgg gtttggcaac tgcgtggagc tgcaggcttc     660
agctgccttc aactggaaca accagcgctg caaaacccga aaccgttaca tctgccagtt     720
tgcccaggag cacatctccc ggtggggccc taagtcctga tgtcagacca catggttacc     780
tcgtctgccc tggtagcacc ttatctgttt acatatacga acacaatgct ggatcattgc     840
cccattttat accataagaa ttattcttcg ataaatatca tacattatca catgctctct     900
attctaatta ttactactgc atcctaaat                                       929
```


<210> 370
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(387)
<223> similar to gi4454678 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 370

```
caagttctca attcttaaga gacatggcga taattcatgc tgaagaggaa ctctacaaac      60
ctgaaagatg caacagtgct tttaccacca cctccaactt ttgtatacat aaaaataaat     120
tatactaatg tgaaaccctg gaaatgtatg aaatgagaca aagcgtttat atggttgcca     180
cacttgattg taggtaagag aattaatgct gccaaaactc ctacaagtgt gaagaatgtg     240
gcaaaacttt tgagtgctta caccttattt cacaggaaag cttttatcct tgagaaaat      300
cgtacagata taaagaatat ggaaacgcca ttaacgccca ctcacatctc aacagaaggt     360
tcatagttaa taaaagcaat aaaagtg                                          387
```


<210> 371
<211> 438
<212> DNA
```

226

<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(10)
<223> similar to gi3659694 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 371
cctttcgaga ccctagtcag tgtggtggaa ttccctgcag agcggcggaa ccacgcgcgg   60
gagctggtgc ggtcggagga gctgggccgc tgggacgctc tggtggtcat gtctggagac   120
gggctgatgc acgaggtgag gaccgcactg cgcggctagg cctggggctt ggcgcggtgc   180
gtcccaggct gaggccacgt gtgcttcaac aggtggtgaa cgggctcatg gagcggcctg   240
actgggagac cgccatccag aagcccctgt gtagcctccc agcaggctct ggcaacgcgc   300
tggcagcttc cttgaaccat tatgctgggt gagagcccag ggccagagta ggcctgtttc   360
ccgtcagtgc tcctctaccg cggggggtttt cttgtctaag ctcccatagg ctgagatcat   420
ttccatttcc ccttctcc   438

<210> 372
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(511)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 372
atcgaataac tattcagagt ggcggaattc caacatttct gcagaaatag aaaaatcaat   60
cctaaaattc atacagaatg tcaagagacc cccccccccg atactcaaaa taatcttgaa   120
aaagaacaaa gttggaagtc ttcacttact gatctcaaaa tttaacacaa aactacagta   180
accaacagta tggtactggc ataaaaatta gcatataaac caatggaata gaataaagag   240
cctagaagta aatctttaca catatagtca gatttttgac aggggtgcca agaccattca   300
gtggagaaaa tagggtcctt tcaacaaatg gtgttgggaa aactggatat ctacatacaa   360
aaaaaagttg gacccttaca ccatatacaa atattaactt aaaatccatc aagaactagc   420
tccatccact aaggttggaa gaaaaaagag agctagaatc attaaactct ttaaaaaaga   480
agaaaaagaa ttattggccc cgtgtggtgg g   511

<210> 373
<211> 668
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(610)
<223> similar to gi5714696 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 373
ggcccacaga tgacccccta cctctgacat ttgataaagc tgggggtgac ctagggcgag   60
gggcagcagt ggcagtccac gccctctct ccactgcagc ccaccgttgc agatttcctt   120
aacctggcct ggtggacctc tgctgccgcc tggtgagtcc tgagcgggag gtgggtagag   180
aaggtgctcc ctggccggga gggctcagaa gagaagtagg gcatggcatc gtcctctgct   240
gaccacctgc actcggctcc ccgtgcgctg caggtccctg ttccagcagc ttctctacgg   300
cctcatctac cacagctggt tccaagcagg taggtagggc tttggaggcg cctcctcaag   360
tccgggtccc caatctgagc taagacgact ccatggggag ggtggggtct acgactgagg   420
gaggccggag accttgccag ggtctgtggg cggagctgag gcgctctggg ccctcgcaga   480
ccccgcggag gccgagggga gccccgagac gcgcgagagc agctgcgtca tgaaacagac   540
ccagtactac ttcggctcgg taaacgcctc ctacaacgcc atcatcgact gcggaaactg   600
ctccaggtgc tggcagtggg gcgggaccag aggccaaggg cggaacctgt gagcggcctc   660
atgccgaa   668

        <210> 374
        <211> 1891
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1892)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (178)...(1672)
        <223> similar to gi3834294 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 374
gcggtggaat tcctggcaac tcgtggtggc cgcttcagga ggtgagcctg gtctctgcct   60
tgcattcatt ctggctgggt tgggcgttgg tttctgtcga tcctcctgtt gtttacctcc   120
tgcagacact gctaggggct ctgtgagcca gcagctcccc catccgccct ccccatgtca   180
gccacctact gtgtgggaga tgttgccagg cagggcctca ggaggacacc cctgggtcag   240
ggctccccag acacctcaga gacaccccag aatcctaagg gcagcagtcg ggtactctgc   300
cccgggaag tgggtgccag ttcgtctcct gccttctagg tgagcagcta ttcctggagc   360
cagagctggt catcccccac cgccagcacc gactcttcac ggcccccaca ttcactggga   420
gcttcctgtc accctggcca ccagcggtca ctgatgcctc cttcaaggtg aagagccacg   480

                            228

```
tctacagcct ggagggccag gactgcaagt acaccccgat gtttgggccc gaggcccgca    540
ccctggtcct gcgcctcgct cagctcatca cacaggccaa acacacagcc aagtccatct    600
ccgaccagtg tgcggagagc ccggctggcc actccttcct ctcatggctg ggctttagct    660
ccatggacac cagtggctcc tacacagcca acgacctgga cgagatgggg caagacagtg    720
tccggaagac agatgaatac ctggagaagg ccctggagta cctgcgccag atattccggc    780
tcagcgaagc gcatctcagg cagttcacac tcgccttggg caccacccag gatgagaatg    840
gaaaaaagca actccccgac tgcatcgtgg gtgaggacgg actcatcctt acgcccctgg    900
ggcggtacca gatcatcaat gggctgcgaa ggtttgaaat tgagtaccag ggggacccgg    960
agctgcagcc catccggagc tatgagatcg ccagcttggt ccgcacactc tttaggctgt   1020
cgtctgccat caaccacaga tttgcaggac agatggcggc tctgtgttcc cgggatgact   1080
tcctcggcag cttctgtcgc taccacctca cagaacctgg gctggccagc aggcacctgc   1140
tgagccctgt ggggcggagg caggtggccg gccacacccg cggccccagg ctcagcctgc   1200
gcttcctggg cagttaccgg acgctggtct cgctgctgct ggccttcttc gtggcctctc   1260
tgttctgcgt cgggcccctc ccatgcatgc tgctgctcac cctgggctac gtcctctacg   1320
cctctgccat gacactgctg accgagcggg ggaagctgca ccagccctga aggtggcagc   1380
tgccttcaga gcaggctgga gggatttgcc acacagcccc acccttgggc tgagaggacc   1440
tgggaagccc ctccaggagg gaacacggtc atcctcaggc ttctggagcg gggttcctgc   1500
agccgcagag gcatctggag gaaacacaac caagaaagga aggcagttgg gccccagcaa   1560
aggagtggct accagggctc aacagccacg ctctgtgaca gcgcagagct cagcgccggc   1620
ctttccctcc ctctgccaag gactcatggc caagccagct ctcggggcct ttttccagt   1680
gcccatttgg ctactctgct gcaccaagct tgggagccag cctgccaaga gccgcctggg   1740
cctggcctcc ccactggctg gccttgaggt aggcagagtg ggttgtggcg cctcctctct   1800
ctgtntggga ccaggacggt ggcttaagtn tccactccag gaaagaatca aagtttctag   1860
agttgtgaga aaaccagaga gtggctctcc t                                  1891
```

<210> 375
<211> 2242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2064)
<223> similar to gi30041 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 375

```
tgcggccgct gcagagcacc gagctgtgtc cgggcggggg agcccgcgtt gtggcagtgg     60
cggcgctccg aggccgcctg gtgtggtgcg aggagcggca ggcccgggcc gagggcccgt    120
cagggtcgcc agcagccgct ttcagccact gtgtgtgcgt ccggactctg gagcccagcg    180
gggaagctag caccagcctg ggccgcacac acgtcctgct gcaccactgc cctgcctttc    240
gggctgcctg ggctccctgc agacaactct tcctggtgcc cactgccacc acctggcctg    300
gcgtggccca cgttctactc atctggagcc caggcaaggg caaagtgatg gtggctgccc    360
cacggcttgg tctctcctac agtaagagtc tgaatcctgg acgaggggac acatgggact    420
tccggaccct gctccgaggc cttcctgggt tgctgtcccc cagggagcca ctggctgtac    480
acacctgggc cccaactccc cagggcctgc tgttgcttga cttcgggggc actgtgagcc    540
tattgcagtc ccacggtggt acgcgggctg tgggcaccct gcaggaggca cctgtaggcc    600
cgtgggggtc tgcagcccta ggcacatttc agggcactct ggcctgtgtg ctgggctcca    660
cattggaact gctggacatg ggcagtgggc agctgctgga gaggaaggtc ctaagtacag    720
acagggtaca tctgctagaa ccgccagccc ccggcatgga ggatgaggaa gagctggaga    780
```

```
cccgagggaa tcttcgtctg ctttcagcct tgggtctgtt ttgtgtgggc tgggaagccc      840
cacagggtgt tgagttgcct tcagccaagg atctggtgtt tgaggaggcc tgcgggtact      900
accagcggcg gagcctgcgg ggtgcccagc tcactccaga agaactgaga cacagcagca      960
cattccgggc acctcaggct ctggcctcca tcctccaggg ccacctgccc ccatctgcac     1020
tgctgaccat gttgaggacc gagcttcggg attaccgagg cttagaacag ctgaaggccc     1080
agctggtggc tggggatgat gaggaggctg gttggactga gctggcggag caggaagtgg     1140
cacgcctgct gaggactgag ttgataggag accagctagc ccagctcaac accgttttcc     1200
aagcccttcc tacagcagcc tggggtgcca ccctcagggc cctgcagctc cagctagatg     1260
ggaatggcaa gctgaggtcc caagcacccc ctgatgtgtg gaagaaagtg ttagggggaa     1320
taaccgctgg aaaggaaccc cccaatggaa tactgccccc ctttgaactc ctgtgccagt     1380
gtctgtgcca gctggagcct cgatggctgc caccctttgt ggagctggca cagcagcagg     1440
gcgggccggg ctggggggca gggggcccag gactgcccct gtatcgccga gctctggcag     1500
tgctaggtga ggaggggacc aggcctgagg ctctggagct agagctgctc ttgagcagtg     1560
ggcggcctaa agctgtgctc caagctgtcg ggcagctggt gcaaaaggaa caatgggatc     1620
gggctctgga tgctggcctg ccctcggcc cctccagtcc cctgcttcga agtgaaatct     1680
tcaaactgct gctggccgag tttgcccagc accgccggct tgatgctcac ctcccctcc     1740
tttgccgcct gtgcccacca gaactggctc cagctgagct cctgcttcta ctgaggacat     1800
acctcccaga tgaggtgggg cccccaaccc cattccctga gcctggagca gagccccctc     1860
tcactgtggg cttgctcaaa gccctgctgg agcagactgg ggctcaagga tggctgtcgg     1920
gcccagttct aagcccatat gaggacatcc tatgggaccc cagcactcca ccccgactc     1980
cacctcggga cctatgacta cccttcaggc atcagaacac tcagggcctg gaggcttgct     2040
tgggactgga ggcttgcttg gacagttcct ctgtgtcact gacacaggaa atcatttcta     2100
ggacacagtg atcagggaag ggtgcctggg acttggaggg tcccatgtat ggacctgtgt     2160
atgcaatact gttctgtcat ctggagctat ttttaagatg tgtgtgttaa atatatacat     2220
agtttaatat ataaaaaaaa aa                                              2242
```


<210> 376
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(433)
<223> similar to gi2981264 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 376
```
tctgaggccc caagggaaga ggctgcactc cacctctctg ccccgttcgt tctgtgtatg       60
cccctacaag aatgctcacc tcttgccctc aggttgcatt tttcaactcc gctggagcca      120
atgcccagga ggagcaggca cggttatgag agcaggtgaa agagcagagg gtgtgctgcc      180
agcgcatggc tcacctggtg gcctcagccc agcagaagcc agaggcagcg gtcccagccc      240
cagtgactag gggccagtct gtgagtgggg agacccaccg ggccatgcag gaggtcatgg      300
agaagctgga ggtgactgag tcctggcatg ggccaagaag ggcaggggtg ggtgttgctg      360
ccgagatgtg accccattat tttggctcca gagtggcctt atggacctcc tggaggagaa      420
ggtggacctg agggagcgag cggagaaact agaacttcga ttcatccagt actggaaaga      480
cagaagtcat cagttagtgg gaattcc                                         507
```

230

<210> 377
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)...(463)
<223> similar to gi179594 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 377
aggggatgaga ccatatcaga tgagacttcc cccccagga gaacaagccg cccctgtac   60
tcatcacgct gcctgcagag cccacactgc ccccagacgc ctacagccac ctccagggtc   120
acctcggcca cttccctggg cccgaacccc tggccttccc cgtcaaggag ctgcagggca   180
gtggggcccg acctggggtg cccctgtacc caccgggcct cagcgagctc aaggtggccg   240
aggtcaagga ggggggccctg ctgggagcag gcaaggccaa ggcccccaag acggccagag   300
ctttggcact gcctgacaag gttctgctgg aggacgccat gaagctcttc gactgcctgc   360
caggcgcctc tgagcctgag ggtaccctgt gcgaggtccc tgggccggcc ctgcctgaca   420
gcagtggtgg gaactcagcc gatgacatcc gctcgctgtg cctgcccgag gagctgctgt   480
c   481

<210> 378
<211> 1723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1472)...(101)
<223> similar to gi2605798 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 378
taccagttct ccaacaggcg gctcatgccc ttagagtaca catccccagc atctgtgcat   60
cacaacactc ggtccggtgg tggctctgct cctacacaca ccaggacctg ggccttgaga   120
ggaccctcct tcctgatatc ctctacagag atgtggcctt cctcaacccg gtcgacccca   180
tctcccatga cctgcttgtg aacctggccc gggacctgca gtgccccaag aagctgccca   240
gaaccccatg ctgacagcac ctgcagatgt cctgccatga gcatcgacac agccccagga   300
tgtgtggctg tgaccagcca ccggacccag actcctagtc acagtgagtc cccaaccaaa   360
accagggtat ccgctctggg ccctgccagc tctgaatgcc caggtctctg cacagtcggc   420
ccctaggact ctgcgcctag cccacggcca tcacaggaac agccagggct tgcagctgct   480
gtgtgtgctg cctgctcctg gggctgctca cagaggact ggataaagga tgcagtggag   540
catgctcagt gccagctttg tgggccgcgc acctcggatt ccaccctgag ctgggcctct   600
gccggagccc agttaggact gagagagagc caggtggtgg tgctgtaaaa cattacatcc   660

```
cccagccctg  tcagcccaga  cccagacccc  gcaggcgcag  tctcgcttgg  agagtgagag       720
gaagaagaac  acgctgacct  ggcttgttcc  tactccctgg  gattggcgtc  agtggagcac       780
ggctccctcg  aggggcctgg  tctggcctcc  tcccctgtg   gactatgagc  tctggaagtc       840
ctcggacaag  atctgccgac  agctcatcta  ccacctcacc  cctcactcga  agcagcagca       900
agggtccagc  ctgcgccaga  ggaagaccca  gagctgcctc  aagagcagcc  tccagaagac       960
tctgctggca  ggggagactg  tggacctctc  aggcatcccg  ctgtcgacac  aggacgtgca      1020
acacatcaca  cgctacctga  gcagccatgg  tgctgtgctg  gcggtgctgg  acctgagctt      1080
cacggggctg  agtgatgagc  tgctgcacct  cctgctgccc  agcctgtggg  cgctgccccg      1140
cctcacccag  ctcctgctca  acggcaaccg  actgacgcgg  gccactgccc  gcaagctcac      1200
tgatgccatc  aaggacacca  ccaagttccc  tgctttggct  tgggtggacc  tgggcaacaa      1260
cgtggatgtg  gcttccctgc  cccagcccct  gctggtcggc  ctgcgccggc  ggctgagcca      1320
gcgcacctca  ctccccacca  tctacgaggg  cctggacctt  gagcctgagg  gcagtgcggc      1380
cggggccacc  acccctgcct  ccacctggga  ctccacagct  gctgggctgg  acccgagcc       1440
ccaggcctgc  tgtgccaggt  gacccaccac  ccacctggct  cattgctact  gacttgtgat      1500
gctctcaagc  acatgatagt  gggcgatgaa  ggtcaaggag  gactcacagg  cccccagaaa      1560
tccagtgtaa  atgctcagcc  tgagattaag  gggacagaag  aatggactca  taggtggcca      1620
ggtggccagc  cctggctaga  ggctcagcct  tccctcagtg  ggaggggccc  cagcacccac      1680
agtgtggacc  ccgcaataaa  gagtgacacc  cgcaaaaaaa  aaa                         1723
```

```
            <210>  379
            <211>  489
            <212>  DNA
            <213>  Homo  sapiens

            <220>
            <221>  misc_feature
            <222>  (1)...(490)
            <223>  n = a,t,c or g

            <220>
            <221>  misc_feature
            <222>  (3)...(403)
            <223>  similar to gi2197085 in the genepept database release 114,
                Run with FASTXY 3.3t00, default parameters




            <400>  379
ntgatatgat  tgtataccta  gaaaacccta  aagactcctc  caaaaagctc  ctagaactga        60
tagaagaatt  cagcaaagtt  tccacataca  aaatcaatgt  acacaattca  gtacctcccc       120
tatacaccaa  caggaaccaa  gctgagaatc  aaatcaagaa  ttcaacccct  ttctcaataa       180
ctgaaaaaga  aatactcagg  aatatacata  atcaaggagg  tgaaagacct  ctgcaaggaa       240
aactacaaaa  cactgctgaa  agaaatcata  gatgacacaa  acaaatagaa  acacgttcca       300
tgctcatgga  tgggtagaat  caatattgtg  aaaatggcca  tactgccaaa  agcaatctac       360
aaattcagtg  taatccctat  caaaatatca  tcatctttct  tccgnacgcg  tgggtggacc       420
cgggacctcc  atnccnnang  cncntgcgna  cgtcgtcagt  caccagggnn  nncgggcncc       480
gctcctccc                                                                    489
```

```
<210> 380
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(604)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 380
aagaaacacc gcatcttgcc catgcgagcc tggtcatgcc aacctgtgcg tctctgttaa      60
tttccgtgtt ttcacgccca cctgcgtgtc tgtgaatttc catgttttca cgcccacctg     120
tgcgtctgtg aatttccgtg ttttcacgcc cacctgtgcg tctgtgaatt tccgtgtttt     180
cacgaccacc tgtgcgtctg taaatttccg tgttttcacg cccacctgcg agtgtctgtg     240
aatttccgtg ttttcatgcc cacctgtgca tctgtgaatt tccgtgtttt cacgcccacc     300
tgcgtctgtg aatttccgtg ttttcacgcc cacctgcgtg tctgtgaatt tccatgtttt     360
cacgcccacc tgtgcgtctg tgaatttccg tgttttcatg cccacctgcg tctgtgaatt     420
tccgttttca cgcccacctg tgcgtctgtg aatttccgtg ttttcacgcc cacctgcgtg     480
tctgtgaatt tccgtgtttt catgcccacc tgcgtctgtg aatttccgtt ttcacgccca     540
cctgtgcgtc tgtgaatttc cgtgttttca cgcccacctg cgtgtctgtg aattaccgtg     600
ttttcatgcc caccacgcgt ccg                                             623



<210> 381
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(525)
<223> similar to gi2065210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 381
tcaaatgccc atggactcca ctcctgccac cctgccttct ctccctcagc ctgcacagat      60
ggcttcatgg ggagttctct atgatcagtt gacagaggaa gagaagacta ggggctgact     120
catagatggc tttgcatgat acacaggcac caactgaaag tggacagctg cagcactaca     180
gcccctttct aggacgtccc tgaaggtcaa caatgaaggg aaatcttccc agtgggcaga     240
actttgagca gtgcacctgg ttgtgcactt tgaatgaaag gagaaatggc cagatgtgta     300
attatatact gattcatggg ctgtagccaa tggtttggct ggtcagggac ttggaaggag     360
catgattgga aacttggtga caaatttggg gaagaggtat gtggatggac ctctctgagt     420
ggtcaaagac aagatatttg tatcccatgt gagtgctcac caacaagtga cctcagcgga     480
ggaggggttt aataatctag tggataggat gacccatttt gtg                       523
```

233

<210> 382
<211> 871
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (533)...(864)
<223> similar to gi2429362 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 382
```
tttttttttt ttccggcact aagtcaagtt ctttacttcc cagaagtgat ggctaagggg    60
agggaggagg gtgagaagag gaagacagaa agagccagag agaatgagga ggtgagaagg   120
gggggacagt aaaccactgt tctatgaagt ctcacgaggc aagtgctcaa ggtaaaaaaa   180
gagtcctgga gaatcgtcca cggctgcggg aagcatctcg gtttccttct gcttttaagt   240
cctctcaggg aaggctgtcg ccgctgccgc tgcattaaat agttatgtac atcgcagaga   300
gtcccaggcc atgggcaggt gggggagggg cgtcatttca ccaggggccg agttttatca   360
tcgtcaccgc actggtgagc tttgtacttt ttcacttctg ccatgtactt ggcccacgcg   420
tcacctttac ttgttaatac ctcatcctcc gtcttctgct tcttggctac tattcccgtc   480
ttgagggcta gtttgttccc gcctctgcgt ttgcccacga agctaagtgt ggagcccgga   540
ccgcccttcc tcttcggatc cccggggcca gcggcggcgg ccgactggtc gggtcgctgc   600
ggacccgggg gcggctcctc ctgccgctgc cgctgctcct cctccatctt ccgcttgaac   660
agctccagga agctgccgtc gttggcgaac aagttcacgc cgcccgacac cgggctcgaa   720
cccgcgcccg acacctcctc gtccccgctc tcgggcgacg tccccgatcc cgactcagcc   780
caacggctcc cgccaccgcc accgcccgcg gggcccggag cctcccggcc ctgaggctcc   840
gcccgtctcc ctcgggcagc cattttgtcg c                                 871
```


<210> 383
<211> 2219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2220)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (9)...(2012)
<223> similar to gi2529686 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

234

<400> 383

```
gaattcttgg acacttgtca tctgtgtact gtgtaacttt tgatcgaact ggcagacgga      60
tatttactgg ttctgatgac tgtcttgtga aaatatgggc aacagatgat gggaggttgt     120
tagctacctt aagaggacat gctgctgaaa tatcagacat ggctgtaaac tatgagaata     180
ccatgatagc agctggaagt tgtgataaaa tgatccgagt ctggtgtctt cgaacctgtg     240
cacctttggc tgttcttcag ggccatagtg catctattac atcactacag ttctcaccat     300
tgtgcagtgg ctcaaagaga tatctatctt ctactggggc agatggcact atttgttttt     360
ggctctggga tgctggaacc cttaaaataa acccaagacc tgcaaaattt acagagcgcc     420
ctcggcctgg agttcaaatg atctgttctt cttttagtgc tggtggaatg tttctggcga     480
cgggaagcac agatcatatt attcgggttt attttttttgg atcaggtcag ccagagaaaa     540
tatcagaatt ggagtttcat actgacaaag ttgacagtat ccagttttcc aacactagta     600
acaggtttgt aagtggcagt cgtgatggga cagcacgtat ttggcaattt aaacgaagag     660
agtggaagag cattttgttg gatatggcta ctcgtccagc aggccaaaac cttcaaggaa     720
tagaagataa aatcacaaaa atgaaggtta ctatggtagc ttgggatcga catgacaata     780
cagttataac tgcagttaat aacatgactc tgaaagtttg gaattcttac actggtcaac     840
taattcatgt cctgatgggt catgaagatg aggtatttgt ncttgaacca cacccgtntc     900
gatcctagag ttctctttc tgctggtcat gattggaaac gtgatagtgt gggatctggc     960
aagaggagtc aaaatacgat cttatttcaa tatggttgca gggaggaaac ccattcgttc    1020
tggattaatg gaactggaaa acagaaaaca attatcagat tgaaggccaa ggacatggcg    1080
cagtatttga ctgcaaatgc tctcctgatg gtcagcattt tgcatgcaca gactctcatg    1140
gacatctttt aatttttggc tttgggtcca gtagcaaata tgacaagata gcagatcaga    1200
tgttctttca tagtgattat cggccactta ttcgtgatgc caacaatttt gtattagatg    1260
aacagactca gcaagcacct catcttatgc ctccctcttt tttggttgat gttgatggta    1320
accctcatcc atcaagatat caaagattag ttcctggccg tgaaaattgc agggaggagc    1380
aactcatccc tcagatggga gtaacttcct caggactgaa tcaagtttta agtcagcaag    1440
caaaccagga gatcagccca ctgtacagca tgattcaaag actacaacag gagcaagacc    1500
tgagacgttc tggtgaagca ggtatcagta ataccagccg tttaagtaga ggctccataa    1560
gttctacctc agaggttcat tcaccaccaa acgtaggact aagacgtagt ggacaaattg    1620
aaggtgtacg gcaaatgcac agcaacgcac caagaagtga aatagccaca gagcgggatc    1680
tggtagcttg gagtcgaagg gtggtagtac ccgagctatc agctggtgta gccagtaggc    1740
aagaagaatg gagaactgca aagggagaag aagaaataaa gacttacagg tcagaagaga    1800
aaagaaaaca cttaactgtt ccaaaagaga ataaaatacc cactgtctca aagaatcatg    1860
ctcatgagca tttcctggat cttggagaat ccaaaaagca acagacaaat caacacaatt    1920
atcgtacaag atctgcattg gaagagactc ctagaccctc agaagagata gaaaatggca    1980
gtagttcttc agatgaaggc gaagtagttg ctgtcagtgg tggaacatcc gaagaagaag    2040
agagagcatg gcacagtgat ggcagttcta gtgactactc cagtgattac tctgactgga    2100
cagcagatgc aggaattaat ctgcagccac caaagaaagt tcctaagaat aaaaccaaga    2160
aagcagaaag cagttcagat gaagaagaag aatctgaaaa acagaagcaa aaacagatt    2219
```

<210> 384
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (770)...(197)
<223> similar to gi4263748 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 384
```
atcatcaaaa agaaggccga tttcatgtgg tttttcctgg ctgtcggtga gtccacagct      60
aagaaaacac taattcagta caacctaaag tgtaatctgc tagtatcttt tacagctggt     120
ggtggtaaaa atatgtgtac agcggaagaa taattggaca aatttacaaa acttgtgaaa     180
atgtaaggtg gtttattcat tgtgttattc atcagcaggt actttgcaga aaatatctta     240
atttatcatg tgttattgaa ctcttagcat cagtaatttt acttggtttt gtgaatcatc     300
atcagttcca taagtttttg tcagaaatag aagctgaata ttctgatgtg ccctgccgcg     360
cagtagtttg atggcttagc agtggtagtt ttctttcaac ttttgagct cagggctgag     420
attgaaaatt ttctgaatga ggagaatcgc tcccaaccac tattgaatgc tgaatggctt     480
tggaaattag cttttgctgc agactaggta atgtttgtta atgaattcaa cctaaaactc     540
caaagtaaaa cagtgcttat gcgaaccta tgcttcacgg aagtcatgtt gatgacagca     600
aatgtttaaa tcataagtca tgttaaactg ccttggatac ttactgcgct ggcaaaagtg     660
aaaacaaagg cgagctctcc attcctacac acatgttcca aatgcatgct atagttctat     720
cacggattgt gcatctcaat gtgaacccat aggacatttc tctaattcct                770
```

<210> 385
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(851)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (372)...(701)
<223> similar to gi1526978 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 385
```
ctttcacaaa aatccatgaa ttattctttta ataaagaaa ctcttggccc cgcttttttg      60
gatacacaga atgctttcca ttgaatcatt tggtcataat ccgggtacaa agcaaattta     120
acacgtgtga gagatgcaga aaaaggtccc ttctatgtac accttgccaa atacaagaac     180
ataaagaaag aaaaaagcaa agtttaagcc tttaggtcat ttgtaaaatg ttgccaaacc     240
catgctgcta cttttaacag agaagtctga gttttaaaat tcaaacgttc ttttcttaca     300
aagaaaaagt gcctctatct gccaagcgca tgatcttatg agcttcagat agaaaagtgg     360
ctatgacttg tgactgtttt tggttcagaa caatgctaga tcaacatgca agttgtatgg     420
aggtgggggac agaaagggag cggcaggctg gggtggctgg taatgtttga tccctctgga     480
tttcccacag gagaaaaggt tctgcaggac gatgagttca cctgtgacct cttccgattc     540
ctgcaactac tctgtgaggg acacaactca ggtttgtgag tccccggaac ttctgatgat     600
actaaggcat aaataatgtt ttcaagccag taataacaag agcctgttag ttccaattat     660
gcatcgttct agagacagca aatcattcta gagcatggct ctgcattggg atctgggncg     720
ttttatnttt ggggtccgcg cacgtccaca atntcaaann nncggcgccc aggggtcccg     780
ccccccgaga cgaattagat agatggaagg tgtgaatggt ggtaaagatg gacaaagtga     840
tgcggggtgg                                                            850
```

<210> 386
<211> 949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(950)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (221)...(932)
<223> similar to gi4960038 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 386
atttgatggt aatttgctgg gattacaggc gtgagccacc acacccggcc ggaagatatt   60
aattcttata tgtgtatgtt caacagatac tgaatctcag gtgaagcaaa gtgccttcat   120
cattgtagca aatcctacat ttaaatgaaa tcagataagt actggcatat aatcaaaatt   180
tatttttat gttgattccc aatcaatgat tttttttttt caaacaccaa caagacataa   240
agtacttatt atggaatttt gtccatgtgg gagtttatac actgtttttag aagaaccttc   300
taatgcctat ggactaccag aatctgaatt cttaattgtt ttgcgagatg tggtgggtgg   360
aatgaatcat ctacgagaga atggtatagt gcaccgtgat atcaagccag gaaatatcat   420
gcgtgttata ggggaagatg gacagtctgt gtacaaactc acagattttg gtgcagctag   480
agaattagaa gatgatgagc agtttgtttc tctgtatggc acagaagaat atttgcaccc   540
tgatatgtat gagagagcag tgctaagaaa agatcatcaa gaagaaatat ggagcaacaa   600
gttgatcttt ggaggcattg gggtaacatt ttaccaaggc aagcctactg gatcaactgg   660
ccatttaana cccctttgaa ggggcctccg tanggaataa agnaagtgat ggtataaaaa   720
taattacagg gaaaggcctt ctgggtgcaa tatcctggag tacagaaaag caagaaaaat   780
gggaccaatt tgactgggag tgggaagaca tgcctgtttc ctgcagtcct tcctcggggg   840
tcctcagggt tcctaactta cccctgttc ttgcaaaaca tccttgaaag cagatcaagg   900
aaaaagtgtt gggggttttg accagtttt ttgcaagaaa actagtggg   949

<210> 387
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(705)
<223> similar to gi3875032 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

237

<400> 387
```
cggacgcgtg gggtattttt ttgcagccat tctgatgaca gagaaagcag atgcagaaga      60
gaatttggaa gatgccatgg aggaggttcg taaagtgaat gaaagcatca agtataatca     120
cccattgaga aaatgtgttg atacaatact taaaaagtgc cctacagagt atcaggaaaa     180
aatgggtagg aacatggatg attatgaaga ttttgatgaa aagcatagta tctatccaag     240
tgaaaaaagt ctggtaaaac tgcataaaca ggtgatttat tcagttcaga gacaccgtcg     300
aactcaagta caatggcaga ttcttttgga acaagcattt tatctagaag atgtagcaaa     360
aaatgaaact agtgctactc atcagtttgt tcacaccttt caatcgccag agccagaaaa     420
tcgatttatc caatattttt ataatcctac atttgaatgg tactgggaat gtcttttgcg     480
accatggttt tacaagatac ttgctgtggt tctgtccatc ttctctgtga ttgttgtgtg     540
gtcagagtgc acattcttta gcactactcc tgtcttatcc ctctttgcgg tcttcataca     600
gctggcagaa aaaacatata attatattta tatcgagatt gcctgcttcc tttccatctt     660
cttcccaagt atctgtgttt attctactgt gttcaggacg aaa                      703
```

<210> 388
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(398)
<223> similar to gi1334115 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 388
```
atttaaacca tatgatattg atatttgcat taattacaga aggtctaaat ttcagttaaa      60
aggcagagat tatcagattg gctagaaaag aagatgcaac tatgagctgt ctacatgagc     120
ccaccttaaa tactaagact cagataaatt aaaagtataa aaggatagaa atagatatgc     180
catgcagaca ttaatctgaa gaaagctgga gtagctatgt taataataga caagaagatt     240
tcagagcaaa gaatttacag aggtaaagag agacaattca taatgataaa ggggtcaaga     300
catcaagaat acctaacaat cttaaatgtt tatgccagag cttcaaagta catgaagcaa     360
aaactgatgc aattgaaaga agaactaact ccacattgt agttcaggat ttcagctggt     420
agaacaagta aacagaatc                                                 439
```

<210> 389
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(407)
<223> similar to gi306893 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
      <400> 389
aatcaatctg aactgaatca ggctggccgt cagggcctcc aaagtactgc ttctgtctgg      60
tcagcctgct gctacagcct tggccagcta ggccctgctg ctcatggtgc cagcccagag     120
aggagccagc caggagatgg tgagtgctgt gggggtgggg agccccaagg agaaggcact     180
gaggaggaaa aacaggatta gcagctcaaa ctgccagaga cagaaagcaa gctcaaatga     240
gtgacctgaa acagcaagtg gtagatttag aacagaacca aaaacttttg ctagaaaatc     300
agtttttaca agagaaaatg catggactcg tagttgagaa ccatgagtga agacagcact     360
tggggatgga tgctctggtt actgaagagg aggcgaaagc caagataatt ccatctattt     420
gatgcttgac atccctaacg gacgcgtggg tcgaccgg                              458
```

      <210> 390
      <211> 761
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (28)...(761)
      <223> similar to gi340613 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters

```
      <400> 390
gcctctccta acttttaaa gccgcctctc ctaacagttt tttttggctg tgtatgaact      60
tataagttga tcatttttgt cagcacttta aagacatcaa agtattttga tatcttcagt     120
attaatatct tttggctttt tttgttcctt gtgaaagaca gctttcagtc tgttgttcct     180
ttataaataa ttgatttttt cctctatgct tttaatcatt tgtcttcagt gttcttaggt     240
ttcactgtaa aatgtgtagg tgtagatttg tcactactta tactatttgg gattcactga     300
gctccctgaa tctgaggatt catgtctttc atcaattcta gaaaattctc attcattatg     360
ttttctttaa atatttacta tactccattt tcttttcttc tagaattcca gttagctatg     420
tatgttgcat ctacttagac taacctctat gttttcaaat tctctttctc gttttctatt     480
ctgttgtctt tctatactgg attctgggta atttctctag tgctgtcttc tggttcatta     540
attccttctt tagctgtgtc taatccattg aggtttctag tttcattatt attcacactt     600
tttcatttct agaagtttta tttggttgtt tttcatatct accctcccgt tttaatagtt     660
ttttgttctt ttatcctttt taagtcttta aaaacctttt ttttgacata ttaaacaaac     720
tcctttatt ttttataact gaaccccttt tttcttttc c                          761
```

      <210> 391
      <211> 630
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature

<222> (1)...(500)
<223> similar to gi2072972 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
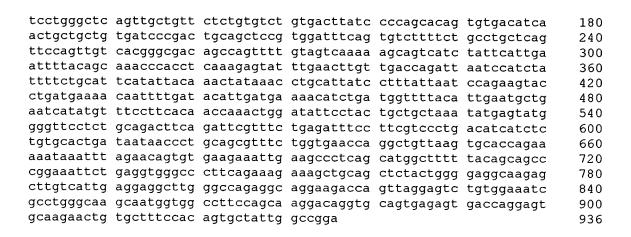

<400> 391
attaaagaag acctaaataa atggaaaaac atcccatgtt catggatcag aagagttaat   60
gctgttaaga tgacaatatt cctcaaactt gtctgcagat tcagcataat ccctgtcaga   120
atctctgctg acatctttgc agaaattgac aagctgatgc taagagttat atgaaattgc   180
aagggaccca gaatagccaa agaaatcctg aaaaagaata aagtagaaaa acccacattt   240
cttcattttg aattacaaaa caatagtaat taagaagtgt gttactggca caagggtaga   300
catagatcat tgtatttttt aaaaaatggt gattccagaa ataaatgcaa acatctgtag   360
tcaactgatt ttcagtaaag gtgccaagtc cattcagtgg ggaaagaaca gtcttttcaa   420
caaatggtgc tgggacaagt ggatagtcac gtgcaaaaga atgaagttgg acacttacct   480
tacattatat ttaaaaagtt ggctgggtat gacggcccat gcctgtagtc ttagcacttt   540
gggaggctga ggcagaagga tcacttgaac ccaggagccg agattgtgcc actgcgttcc   600
agcctgggtg acagagtgag actctgtctc   630

<210> 392
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (16)...(710)
<223> similar to gi2292986 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 392
aggcgaaagg gggcaaagga ggaggagcta cagcaagaag aggaggagga cagcacatag   60
aagagatgga gcaggaggaa gagataagga ggaggaggaa gagatggaga aggaggaaga   120
gatgcaggag gaggaagaga tggaagagga agagatgaag aggaggagga ggaagagata   180
gaggagaagg agtaggaaga gatgtaagag gaggaggaaa agatgcagga ggaagaggaa   240
gagataaaga ggaggaggaa gagatgcagt aggagaagca agagatgagg aggaggagaa   300
ggaagagatg aaagaggagg aaaagatggg ggaggaagag gaagagatga agaggaagag   360
gaagagatgg aggaggagga ggaagagatg aagaggagga ggaggaacac ctgaagagga   420
ggaggtggaa gagaccaaga ggacgccgct gcactcctgc cccggaggcc gtgcctcact   480
ctgtctcaac nnnnnnnnnn ncannnnnnn nnnnnnnnnn ntaagaggtc ccgcccccccc   540
ctcccctgct tcccccccccc nnnnnnnnnn nnngggggccc cttatttttcc ttnnnnnnnnn   600
nnntttttttc ccccgccggc ccgggaaacc cccggccctc ccccatttta tccccctccg   660
ccccctccct ttttccccgc tgggtttttt cctaagcggc ccccccaac tttatc   716

240

<210> 393
<211> 1578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (228)...(1461)
<223> similar to gi557822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 393
tagaaacctt cgtagaccct agtcagtgtg gtggaattcc ttccgacagc ccccatccag   60
tcatcacccc gtcacgggcc tcagagagca gcgcctcttc cgacggcccc catccagtca   120
tcaccccgtc acgggcctca gagagcagcg cctcttccga cggcccccat ccagtcatca   180
ccccgtcacg ggcctcagag agcagcgcct cttccgacgg cctccatcca gtcatcaccc   240
cgtcacgggc ctcagagagc agcgcctctt ccgacggccc ccatccagtc atcacccct   300
catggtcccc gggatctgac gtcactctcc tcgctgaagc cctggtgact gtcacaaaca   360
tcgaggttat taattgcagc atcacagaaa tagaaacaac gacttccagc atccctgggg   420
cctcagacac agatctcatc cccacggaag gggtgaaggc ctcgtccacc tccgatccac   480
cagctctgcc tgactccact gaagcaaaac cacacatcac tgaggtcaca gcctctgccg   540
agacctgtc cacagccggc accacagagt cagctgcacc tcatgccacg gttgggaccc   600
cactccccac taacagcgcc acagaaagag aagtgacagc acccgggggcc acgaccctca   660
gtggagctct ggtcacagtt agcaggaatc ccctggaaga aacctcagcc ctctctgttg   720
agacaccaag ttacgtcaaa gtctcaggag cagctccggt ctccatagag gctgggtcag   780
cagtgggcaa aacaacttcc tttgctggga gctctgcttc ctcctacagc ccctcggaag   840
ccgccctcaa gaacttcacc ccttcagaga cactgaccat ggacatcaca accaaggggc   900
ccttccccac cagcagggac cctcttcctt ctgtccctcc gactacaacc aacagcagcc   960
gagggacgaa cagcacctta gccaagatca caacctcagc gaagaccacg atgaagcccc   1020
caacagccac gcccacgact gcccggacga ggccgaccac agacgtgagt gcaggtgaaa   1080
atggaggttt cctcctcctg cggctgagtg tggcttcccc ggaagacctc actgaccca   1140
gagtggcaga aaggctgatg cagcagctcc accgggaact ccacgcccac gcgcctcact   1200
tccaggtctc cttactgcgt gtcaggagag gctaacggac atcagctgca gccaggcatg   1260
tcccgtatgc caaaagaggg tgctgcccct agcctgggcc cccaccgaca gactgcagct   1320
gcgttactgt gctgagaggt acccagaagg ttcccatgaa gggcagcatg tccaagcccc   1380
tgaccccaga tgtggcaaca ggaccctcgc tcacatccac cggagtgtat gtgtggggag   1440
gggcttcacc tgttcccaga ggtgtccttg gactcacctt ggcacatgtt ctgtgtttca   1500
gtaaagagaa gacctgatca cccatctgtg tgcttccatc ctgcattaaa attcactcag   1560
tgtggcccag aaaaaaaa   1578

<210> 394
<211> 462
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(463)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(438)
<223> similar to gi804810 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 394
aaactaaatg agcttagtga gactgcaaaa taaagatcaa tatatataaa gcagatgatt   60
ttgcatgaac tagccatgaa caatctgaac cttaaaacct taaatgccat ttataacncc   120
ataaacaata tgaaatacat agtgatgcat ctggcaaaag aagtgcaaga tgtatagtat   180
aaaaattaaa aacacttctg ggagaacttt aaaaaagacc taaatagaga tatactatgt   240
tcagagacta caagactcaa taccattaat atgtcaattc tttccaacct gacctataga   300
ttcagtgaaa tcccattttg aatattcagg aggctttttg ttttgtagaa attgggaact   360
caattctaaa atacatatgg acatgcaaag gacctagatt agtgaaaaca acttttaaaa   420
ataattctga aagttggaaa ataggctggg cgcgatggct ca   462

<210> 395
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(420)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 395
aaaaatagca attataaata tatatgcact caatatcaga ctatataaaa aagtgaacat   60
taaagtaact gaagggagaa ataaacaaca atacaataat agtaagagac ctcaatatca   120
cactttaata atggatagaa tatccagaca gaagaccaat aaaaaaacag aggatttgaa   180
cattattaac caaataaccc taacagtcgt atgcagaaca gttcatccca aaacagcaga   240
gtacacaatt tttccaaata catatgaaac tttctctagg atagatctag cacgttaggt   300
cacaaaataa gtcttaataa atataagaag attgaaatca tatcaagtat ctttactaac   360
tacaatggaa tgaagctaaa attcaatagc agaaggaaaa cgtggaaatt aaacaacac   419

<210> 396
<211> 1052
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1053)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (12)...(888)
<223> similar to gi1017722 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 396

```
cggacgcgtg ggcttttaac cagttctcta accttactgc acgtaagata atttatactg      60
gagagaaacc ctacaaatat gaagaatgtg acaaagcctt taacaagttc tcaaccctta     120
ttacacatca gataatttat actggagaga aaccctgcaa acatgaatgt ggcagagcct     180
ttaacaaatc ctcaaattat actaaagaga aactacaaac ctgaaagatg tgacaatgat     240
tttcactaca cctcaaactt ttctaaacat aaaccatatt ggtgccctag aaatgtgagg     300
aatatgacaa ggactttaaa tggttgtcat gcttgattgt aggtaagata atttatattg     360
gagaaaaatc ctccaagtat gaagaatgtg gcaaactttt aaccaatcct cacaccttat     420
tgcacaggaa agcatttata cttgagaaaa attgtataaa gaatatggaa aagccattta     480
tatctgctca catgtaaaaa catcagttca tacttaataa aatgcaatta ccgtcaaatc     540
tttcagaaaa tataagcctt taatacgagg aagagtattc ttaagatgaa cattacaaat     600
agaaagaggg ttgtagtacc tttagtttta tgatagatct tattgtacac attttgtacc     660
agaggaaaac cctaaagcat tagttgctca aactttgttc gacatcaggg aatttgtatt     720
ggagaaaaac cctgcaaatg taataaatat ggaaaaacat tttttcaaaa actacagctt     780
ggaaaacatc agagagttca tactaaaata tatttttgca gatgcagtaa atatgaaaaa     840
tatttaatcc caaattaagt ctatgtaaat atcagaattc acagtaggaa atcataaggc     900
ataaggcact gatacttcag acattacact taaattagga gtgttgagta tagggagatc     960
ccaaaactta aaattgttta gggtaagtta ttttatatta ttaactttaa aaaggaagtt    1020
aggaaggttt ttttgggagg ttttttantt ac                                  1052
```


<210> 397
<211> 936
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(738)
<223> similar to gi4884092 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 397

```
aactcccagg gctccagggc cctcctccgg ccccaggcct accccagtca cggacgggtc      60
tcgctctgtc actcaggctg gagtatagtg gcatgatcac ggctcactgc agcctcgacc     120
```

```
tcctgggctc agttgctgtt ctctgtgtct gtgacttatc cccagcacag tgtgacatca      180
actgctgctg tgatcccgac tgcagctccg tggatttcag tgtcttttct gcctgctcag      240
ttccagttgt cacgggcgac agccagtttt gtagtcaaaa agcagtcatc tattcattga      300
attttacagc aaacccacct caaagagtat ttgaacttgt tgaccagatt aatccatcta      360
ttttctgcat tcatattaca aactataaac ctgcattatc ctttattaat ccagaagtac      420
ctgatgaaaa caattttgat acattgatga aaacatctga tggttttaca ttgaatgctg      480
aatcatatgt ttccttcaca accaaactgg atattcctac tgctgctaaa tatgagtatg      540
gggttcctct gcagacttca gattcgtttc tgagatttcc ttcgtccctg acatcatctc      600
tgtgcactga taataaccct gcagcgtttc tggtgaacca ggctgttaag tgcaccagaa      660
aaataaattt agaacagtgt gaagaaattg aagccctcag catggctttt tacagcagcc      720
cggaaattct gaggtgggcc cttcagaaag aaagctgcag ctctactggg gaggcaagag      780
cttgtcattg aggaggcttg ggccagaggc aggaagacca gttaggagtc tgtggaaatc      840
gcctgggcaa gcaatggtgg ccttccagca aggacaggtg cagtgagagt gaccaggagt      900
gcaagaactg tgctttccac agtgctattg gccgga                                936
```

```
<400> 398
gcctcccaaa gtgctgggat tacaggcctg agccaccccg cctggcacct tactatattt       60
taatgaatga aatgatgtag tatggaaaaa aaaaaaatcc ctaaatggag acctgagttt      120
ccatctcatc tttgctactt aattctgagg tttcaggaag attatttaac ctatctgagt      180
tttcttatct taaggataaa gatgaattca cctaccctat gggactatta agaataaaat      240
gaaggtcctg tgtaaaaaac taaataactg ttcattattc ttgctgctgt tggttggatt      300
gagtagaaag gtcctatggt taggacatta taaagtacgt ctacttagct tctaagatgt      360
aatatttcta taacttcagt aaggatgtgc atttaatagt caataaatta aacctttaa       420
agctgtgatt taaaaactat aaaataaaca atgaaatgag aaatgggcaa attcaaataa      480
ttttatttta ccttgagcaa gaagactatg ccaatgctaa tgctttgctt tcccctgccc      540
ctgcccttcc caaagagaag agaacagaca gcaatggcag agtatatttc gtcaaccaca      600
acacacgaat tacacaatgg gaagacccca gaagtcaagg tcaattaaat gaaaagccct      660
tacctgaagg ttgggaaatg agattcacag tggatggaat tccatatttt gtggaccaca      720
atagaagaac taccacctat atagatccct ggtcgacgcg gc                        762
```

```
<210> 399
<211> 857
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (169)...(836)
<223> similar to gi56522 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 399

```
taccactctt tggtgctgct aggcaagaat tttaaactga gtttaggtca ccatcgtgga      60
cttaaggtcc atatcacctc agggagacaa gtagagtggg aggcatccaa aaggtaggtg     120
attcttctcc cctctagtga agaatacaag gtcaatttac aaaaaagcac cagcagcaaa     180
taattggaaa attaaattca taaaacattt ataatagcgt caaaaaagca ccagcagcaa     240
ataattggaa aattaaattc ataaaacatt tataatagcg tcaaaaaaaa gaaaatactc     300
agaaataaat ttgacaaaaa ttgtataaga tctctacatt aaaaattatg aaatacatgg     360
aagagaaatt aaagaaaacc taaatagaga gatataccac attcatggat tggaagattc     420
aagattatta aaatactatt ctccccaaat ggctctatag attcaacata atcccaatca     480
aaatcccagt aggctttggt agaaattgag atgttggttc taaaatgaaa taaaatgcag     540
aggacctaga atatataatt tccctttaat ttgacaaaga agaaaaacat gttgggaagc     600
tcacctaatt tcagtgtaat atttacatac gaatcaacaa atggatcagt ggtatagaat     660
agagaatcct gaaatagatc tacatatata tggccaacag atttttaata atggtgccaa     720
ggctattcag gggaaagaaa attctttttt aaaaatggga ttggaaactg gataagggaa     780
ataagtgaac ctcgacccct acccttatac cgtgctcaaa aattaattca aaatcattct     840
agccataaat gtaaaag                                                    857
```

<210> 400
<211> 2080
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(2080)
<223> similar to gi3152662 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 400

```
tttcgtagca tggccggccc gggccccacc ttcccgctgc accggctcgt atgggcgaac      60
cggcatcacg aactggaggc cgcactgcac agccaccaac gaatcccaac cctgctcgcc     120
ctggcagcct ccctgccttg ccctcttctc tcctgccctt tgtgagtgtc ccgtctcccc     180
cagcacgaca ttgaacagga ggaccccgc gggcggaccc cactggagct ggccgtgtct      240
ctgggaaacc tggagtctgt gagagtgctc cttcgacaca atgccaacgt gggcaaagag     300
aaccgccagg gctgggcagt cctgcaggag gcagtcagca ctggagaccc cgagatggtg     360
cagctggtgc tccagtatcg ggactaccag agggccacgc agaggctggc gggcattccg     420
gaactgctca acaaacttcg ccaggccccc gatttctacg ttgagatgaa gtgggagttc     480
accagctggg tgccccttgt gtctaagatg tgcccaagcg atgtgtaccg cgtgtggaag     540
cggggtgaga gcctgcgagt agacaccagt ctcctgggct tcgagcacat gacctggcag     600
cggggccgga ggagcttcat cttcaagggc caggaggcag gagccctggt gatggaagtg     660
gaccatgacc ggcaggtggt gcatgtggag acactggggc tcactctgca ggagcccgaa     720
```

```
acactgctgg ccgccatgcg gcccagcgag gagcatgtgg ccagtcgcct cacctctcct    780
atcgtctcca cccacctgga cactcgtaat gtggcctttg agaggaacaa atgtggtatc    840
tggggctggc ggtctgagaa gatggaaact gttagcggct acgaggccaa ggtgtacagt    900
gccaccaacg tggagctggt gacacgcaca cgcacggagc acctctctga tcaggacaag    960
tcgaggagca aagcggggaa gactccattc cagtccttcc tggggatggc gcagcagcat   1020
tcctcccaca ccggggcccc cgtgcagcag gcagccagcc ccaccaaccc cacagccatc   1080
tcccctgagg agtacttcga ccccaacttc agcctggagt cacggaacat tggccgcccc   1140
atcgagatgt ccagcaaagt acagaggttc aaggcaacac tgtggctgag tgaagagcac   1200
ccgctctccc tgggtgacca ggtgaccccc atcatcgacc taatggccat cagcaacgct   1260
cactttgcca agctgcgcga cttcatcact ctgcgccttc cacctggctt ccccgtcaaa   1320
attgagattc ccctttttcca cgtgctcaat gcccgcatca ccttcagcaa cctgtgtggc   1380
tgtgatgagc ccctgagctc cgtgtgggtg ccggccccca gctctgctgt cgccgcatca   1440
gggaaccctt tcccgtgcga ggtggacccc accgtgtttg aagtgcccaa cgggtacagc   1500
gtgctgggca tggagcgcaa cgagccctc cgggacgagg acgatgacct cctgcagttc   1560
gccatccagc agagcctgct tgaagcgggc actgaaggcg gagcaggttg accgtctggg   1620
aagccctgac caacacccgg cccggttgcc cgccctcctt ccccaggccc acggtttatg   1680
aggaacagct tcagctggag cgggccctcc aggaaagcct gcagctgtcc acagagccca   1740
ggggcccagg atcccctccc aggacacccc cagcccccgg tccacccagc tttgaagagc   1800
agctgcgcct ggccctggag ttgtcttcac gggagcagga ggagcgggag cggcgcgggc   1860
agcaggagga ggaggactta cagcggatcc tgcagctgtc actcactgag cactgagcca   1920
tagcccccggg agggctggcc aggccactcc ctgcccgctt ttgtaattta tttatttata   1980
aactctctgc tgctgagctt ggggcctgga gccccaggaa tgagcaggca ggggagactg   2040
agatggaaat aaagagactg tcgcagcagg aaaaaaaaaa                          2080
```

<210> 401
<211> 1908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (433)...(1813)
<223> similar to gi3015538 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 401
```
gtctctatgg aattatagct cacctacttt tgggggaatc atgtaaggta attttatttc     60
attatgtatt actagaatgt attgtttaa aatgtgtcta cttttttgaa gtgtcatttt    120
gttgttgttt tcattgagat ggggtcttac tatgttgccc aggctggtct cgaactccga    180
acctcaaatg acctgcccgg ctcggcctcc caaagtgctg ggattatggg catgagtcat    240
tgcatccaga caaaagtgtc attgtttaat cttgatttga aagaacttta ggtatttaaa    300
acattatgtg gttcttttgt gcaagcgctt tatccctaag tcgtttgatt atccagggtt    360
gaaagcaact ctctctgact tctgcactca gaaagcgctt ggtctaattg tgttctcctt    420
cctgtctctt agcttcacag gataatgcag ctggctgtgg ttgtatcaca agtacttgag    480
aatggttcct cagttttggt ctgtttggag gaaggctggg acatcactgc acaagtgaca    540
tccctggttc agttactcag tgatccttt tataggacac ttgaaggctt ccagatgttg    600
gttgaaaaag agtggctctc ttttggtcac aaattcagtc agaggagcag cttgaccctc    660
aactgtcagg ggagtggttt tgctccagtc ttcttacagt tcttagactg tgtacaccag    720
gttcacaacc agtatccaac tgagtttgaa ttcaatctct attacttaaa gttcttggct    780
ttccactatg tgtctaatcg ctttaaaaca tttctcctgg attcagacta tgaaagatta    840
```

246
```

```
gagcacggaa ctttatttga tgataaagga gaaaagcatg ccaaaaaagg agtctgtatt    900
tgggaatgta ttgacagaat gcacaagagg agtcccattt tctttaatta tttatattca    960
ccattggaaa tagaggctct aaagcccaat gtaaacgtct ctagcctcaa gaagtgggat   1020
tactacatag aagagaccct gtccacaggc ccttcctatg actggatgat gctaaccccc   1080
aagcacttcc cctccgaaga ctctgacctg gctggagaag ctgggccacg gagccagagg   1140
agaacagtgt ggccatgcta tgatgatgtc agctgtactc agcctgatgc tctcaccagc   1200
cttttcagtg aaattgaaaa attggagcac aaattgaacc aagcccctga gaagtggcag   1260
cagctgtggg aaagggtaac cgtggacctt aaagaagaac caagaacaga tcgctcccaa   1320
agacacctgt cgagatcccc aggaattgtg tctaccaacc taccttccta tcagaagagg   1380
tctctgctac atctcccaga cagcagcatg ggggaggaac agaattccag catctcccca   1440
tccaatggag tggagcgaag agcagccacg ctctatagcc agtatacatc caagaatgat   1500
gaaaacaggt cctttgaggg aacactttat aaaagagggg ctttgctgaa aggttggaag   1560
ccccgttggt ttgtttttgga tgtaacaaaa catcagctgc gctactatga ctcaggtgag   1620
gacacaagct gtaaaggcca cattgatctg gctgaagtag aaatggtcat ccctgctggc   1680
cccagcatgg gagccccaaa gcacacaagt gacaaggctt tctttgatct caagaccagc   1740
aaacgtgtgt ataacttctg cgcccaggat ggacagagtg cccagcaatg gatggacaag   1800
atccagagtt gtatctctga tgcctgatgc ccatggtcaa cccacgcaga agaaacagaa   1860
gaactcatgc tgccagatag atagaacaag aagcatggat ccttgagg               1908
```

<210> 402
<211> 964
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(965)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (26)...(862)
<223> similar to gi3599339 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 402
```
ctagttctag atcgcgagcg ggcgccaaaa gaataatgaa ggaatacaca aactactcta     60
cacgcatagt ttttanaact taggttaaat agaccagttc cttaatgagc atgaactgtc    120
acaactcacc caataggaaa tagactactt gaataccctg taactataag gaaattgacc    180
tagtaattta taatctccca aaaaagaaat cttcaggttt cactggataa ttctaccaaa    240
catgtaaaga agaattaaca ctgattctac gcaatacctt ccagaaaaca gaagagggg    300
gatcatgtcc taattcattt tgtgaagcta gtattaccct gataccaaaa ccaggcaaaa    360
agaacagaaa aagaaaacta cagaccaata tccctcgcag attcagatac aaaactcctt    420
aacaaaacat aaacaaatag aacacagcaa tatataaaaa gattgacaca ctgtagccaa    480
atgggacata ttctgagatg caaggctggt ttagtatttg aaaattcatt catgtaatac    540
actatactaa caggctaaag aaaaagctca cgactatatc agtcaatcca aaaaaagaat    600
aaaaagagtt tggcaaaatt cacatcattc atgactcaaa acttccagca aaatagaaga    660
caggtactcc ttcaacctta caaaaagcat ctaaaaagcc ccacagctga cagcactctt    720
tttcaacata gttctggaag ttctacagag acataataca agaaaggaa attaagacaa    780
cagatgagag gaaagaaata aaactgtccc tttttgctgg tgacatgatc atctacgtag    840
```

```
aaagccccag ggaatcttga gtctgctgct gacatgattg tccaaacaga aaatcccagg      900
gaagaggcgg agcttgcagt gagctgagat tgcaccactg cactccagcc tgggcgcaca      960
tgtg                                                                  964
```

<210> 403
<211> 992
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(981)
<223> similar to gi392948 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 403
agacttcata gctgatgagg tggacctgac ctcagccctg acccaatggt cactctgaag       60
acgccgctga tctcctcccc catggacact gtgacagagg ccgacctggc catcgtgatg      120
gctctgatgg gaggtactgg tttcattcac cacaactgca ccccagagtt ccaggccagt      180
gaggtgcaga aggtcaagaa gtttgaaccg ggctttatca cacaccccgt ggtgctgagc      240
cccttgcaca ctgtggggtga tgtgttggag gccaagatgc gtcatggctt ctctggcatc      300
cccatcactg agacgggtac catgggcagc aagctggtgg gcatcgtcac ctcccgagac      360
atcgactttc ttgctgagaa ggaccacacc accctcctca gtgaggtgat gatgccaagg      420
atcaagctag tggtggctcc agcagtgtga ggttgaaaga ggcaaatgag atcctgcagc      480
ttagtaagaa aggaagctgc ctatcgtcaa tgatcgcgat gagctggtgg ccattatcac      540
ctgcaccgcg ctgaagaacc gagactaccc tgtggcctcc aaggattccc atgagcagct      600
gctgggcggg gcagctgtgg gtacccatga ggatgacaaa taccacctgg acctgctcac      660
ccaggtaggc gtcaatgtca taggcttgga ctcgtcccaa gggaactcgg tgtatcagat      720
cgccatggtg cattacatca aacaaaagta accccacctc caggtgattg gggggaacgt      780
ggtgacagca gcccaggcca acaacctgat tgacgctggt gtggatgggc tgggcagggg      840
catggactgc gcggctccat ctacatcaac caggaagtga tagcccgcag tcagccccag      900
ggcactgccc tgtacaaggt ggccaagcat acccaaaact aaaatgtgcc cgtcatagcc      960
gatggtggca tgcagacctg ccgcctgggt aa                                    992
```

<210> 404
<211> 1419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1214)...(440)
<223> similar to gi3858883 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 404
tttttttttt cttgatgcaa atgttttttat ttgccactta aactacagtt tccctgtgct    60
atcctgatgg tgtgggggtg tggaacaggc tgctggaacc atggtttaca gtagtagcag   120
gtagatgatt agtagcatga gtggtgaaat gctgcatcta agtgcctgtc actttgctcc   180
caggggaata tcatgcagcc caggaatagt gttagactgg gaaggactgt ggcaggaaca   240
gtcactgtct ctcctcattt tggtgaggaa tgggtcccac ataatggaga gctcaacaga   300
agcatccagt cttgttctga atggagcagg tcagtggcag cagcctcttg ctttcattta   360
ccccttgggg ctgcttgcct aaagtctctc ttccttcacc tccccaggcc ttttggcaag   420
agggaagaca ctgccattcc tggctctttc cctggatcag tgtctgatct ggtggaggta   480
gcttgtgggg cctgacttcc tccagttccg gcggatcctg gcacttttct tcctagagtg   540
cagatactgc tcactggagg ctgtctctgt ggcactctgt gggttggcca gtgcagagtg   600
gggctccagg attctgaggc ggctgcagtg gtgtagcgag tggcccaggg gtttctgcct   660
tgggggcctc ttcctgcgca gcctcttgag ggcctcagcc acacggtggt cccctgcaca   720
ttcccagatg atctgtgccc gttcctcggc cagctggtcc ccgctgcgtt gaaacagggc   780
ttggatctgc agcagctcgg cgtcctggaa gatgttggcc gaggcctgct tgcggccccg   840
ggcctcaatc ggggcctgcc aaggggtgg ctcactgacc accgaggctg gggtacccat   900
tgtggatgct cacactgaag ggcagctccg acagacctca aatggggatg gggcaagcta   960
agatgcgccc actccaacct cttccacagc cttcagaaag ggcaggcgca gctctgggct  1020
tcctgctgcg aaggtgctta caagggccag tcggtgatca cgggcagcac aagagcatgg  1080
cagagggtat cctggccgag gtcctaaggc gacatctgca gcacgaggag gccccgggac  1140
tcagacgtgg ccgcttcgca gaacgacggg gtcctaagtg gatctggcgg tcgcgtcccg  1200
ctggcacccc ggctctgact gtcgccctcc ggctcccacc gcagcgccga gctgggccgc  1260
cgacctacgt acctggttgc ttgaggcagg ccgcacgcag ccccaaactg gtccgggcca  1320
cttgggtcac agccgcggtt cccgggagaa agcgctccct agccccggaa cagccaatcc  1380
tcggccctag ccaggtatga gctcccaggc gagccttcc                         1419
```

<210> 405
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(733)
<223> similar to gi289664 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 405
gtgagtgctg ggggtagggc cttgagctgc agcccccgag actcccacgt gcctgccaga    60
caccacgccc caccccgcac cggtggtctg ctctgccgac ccgcagtaag gaggagaggg   120
aggactggtg agcctcctgg gccaggtggc caggggccgg cctgagtaag cagcagggtc   180
tgctgccgct gcaggttggc tcttgagtcc ctggaccctc gcacactgcg gctgctgaca   240
ttaggaaccc ctgcctgagc agggtggggg ctgctgaggt cacccctcct ccaggagctc   300
ccacagtcag gagaaactcc tgcagaacca ggtccagaag ctgatccagg agttgaagga   360
acagaaggag cgagcccagt gggtgaggca ggggcacagg gagtgggcag ggtcctggtg   420
ttggggagcc aggctggggc tggcctgggg gccttctgca gaagacaccc ccccaccacc   480
aaccacaggc cctctcggag caggagaagg agcacctgga ggagcggctg ctgcagacca   540
cccgcacgct ccaagagatg gaggccgagc tgcagaactt gcagaagtcc tgcctcctgc   600
```

```
agctggcccg ctcctcgtgg gtgggccgca tgctacgatc ccagactggc agtgtggagg        660
tgagcctgtc ccccaagccc tcctgcccca ggctgccctc cccagccctc cccatctcgt        720
cggaattcca cgt                                                           733
```

```
<210> 406
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(597)
<223> similar to gi1212992 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 406
aagcaagatc tttttattct ctatttctgt agctatatat acacttttga caatttagtg         60
gccatcattg caagctaact gataatccaa tgtctccttt agatacaaat ttgaaaaaga        120
tggaagtata cacagactca ttataaaaga ttgcaggctg gatgatgagt gtgaatatgc        180
ttgcggggta gaagacagga agtctcgtgc tagacttttt gtggaaggta catattaagt        240
gaaaaaacaa ttctaatgtt accaattttt taaaattgtt aatcaaaatg taaacatatt        300
tgtatttatt tcacattttc tttccagaaa ttcctgttga gatcatcagg cctccacaag        360
atattcttga agcccctggt gctgatgttg tcttttttagc agaactcaat aaagataagg       420
tggaagtcca atggctaaga aataacatgg ttgttgtcca gggtgataaa caccagatga        480
tgagtgaagg aaagatacat cgactacaga tttgtgatat taagccccgt gaccagggtg        540
aatacagatt tattgccaaa gacaaagaag ccagagctaa gcttgaactg gcaggtcagt        600
cccttttattt taaaatatcc ttccaatatc acagagttta gatttcagat ttcacagtta       660
tttaatgagg taatccttgt gagggtcttt catttctagc aagccctacc cacatgttaa        720
caactctaat tttgctcact acaaagtaag tggaattcc                               759
```

```
<210> 407
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (570)...(53)
<223> similar to gi1334643 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 407
accgtcgtgg aattccggac ccacagaacg accgacggac cgagggttcg agggagggac         60
```

```
acggaccagg aacctgagct aggtcaaaga cgcccgggcc aggtgccccg tcgcaggtgc      120
ccctggccgg agatgcggta ggaggggcga gcgcgagaag ccccttcctc ggcgctgcca      180
acccgccacc cagcccatgg cgaaccccgg gctggggctg cttctggcgc tgggcctgcc      240
gttcctgctg gcccgctggg gccgagcctg ggggcaaata cagaccactt ctgcaaatga      300
gaatagcact gttttgcctt catccaccag ctccagctcc gatggcaacc tgcgtccgga      360
agccatcact gctatcatcg tggtcttctc cctcttggct gccttgctcc tggctgtggg      420
gctggcactg ttggtgcgga agcttcggga gaagcggcag acggagggca cctaccggcc      480
cagtagcgag gagcagttct cccatgcagc cgaggcccgg gcccctcagg actccaagga      540
gacggtgcag ggctgcctgc ccatctaggt cccctctcct gcatctgtct cccttcattg      600
ctgtgtgacc ttggggaaag gcagtgccct ctctgggcag tcagatccac ccagtgctta      660
atagcaggga agaaggtact tcaaagactc tgcccctgag gtcaagagag gatggggcta      720
ttcactttta tatatttata taaaattagt agtgagatgt aaaaaaaaaa aaa            773
```

```
<210> 408
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(725)
<223> similar to gi3123638 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 408
gatcacctac agcaatgacc acttctcccc cggctcccct cccacccacc tctccccaga       60
gatcgatcca aagacaggaa tccccggcc ccctcaccca tccgagctgt caccgtatta      120
cccactctct cccggagctg tcggacaaat cccccacccc ctcggctggc tcgtcccaca      180
gcaaggccag cccatgtact cccttcctcc cggtggcttc cggcacccct accccgccct      240
cgccatgaac gcctcgatgt ccagcctggt ctccagtcgg ttctctcctc acatggtggc      300
tcctgcccac cctggcctgc ccacctcagg gatccccac cctgccatcg tctcccccat      360
cgtcaagcag gaaccggcac cccccagcct gagccctgca gtgagcgtga aatcaccagt      420
caccgtgaaa aaggaggagg aaaagaagcc ccacgtgaag aagcctctga atgccttcat      480
gttgtatatg aaggagatga gggccaaggt ggtggctgag tgcaccctga aggaaagtgc      540
agccattaac cagatccttg gaagaaaggt aagacctgcc ctctccctcc aggccaggga      600
ggcagcgtcc ctgcattgat ggctccgtgt ggtctctgac cctctctccc ccagtggcac      660
aacctgtctc gagaagaaca ggccaagtac tacgagctgg cccggaagga gcggcagctt      720
cact                                                                   724
```

```
<210> 409
<211> 1949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

<222> (1)...(1950)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (13)...(1866)
<223> similar to gi30058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 409

```
gcggtggcca ttcccttctc cactcctgga agcccttac  caggaccca  ggaccctgca     60
gatgctgcag agcctcctgg aaagccaacg ggatcagagg accatcagca tggccgagcc    120
acacagctcc caggagctct ggatacaagc tccccaggga cccagcatcc ctttgcccct    180
gagacaccaa tccctggagc atcctggagc atctccccta ccaccccgg  ggggctgcct    240
tggggctgga ctcagacacc tacgccagtc cctgaggaca aagggcaacc tggagaagac    300
ctgagacatc ccggcaccag cctccctgct gcctccccgg tgacatgagc tgtgccctgc    360
catcccactg gcacgtttac actctgtgta ctgccccgtg actcccagct cagaggacac    420
acatagcagg gcaggcgcaa gcacagactt cattttaaat cattcgcctt cttctcgttt    480
ggggctgtga tgctctttac cccacaaagc ggggtgggag gaagacaaag atcagggaaa    540
gccctaatcg gagatacctc agcaagctgc ccccggcggg actgaccctc tcagggcccc    600
tgttggtctc ccctgccaag accagggtca actattgctc cctcctcaca gaccctgggc    660
ctgggcagat ctgaatcccg gccggtctgt agctggaagc tgtcagggct gcctgccttc    720
ccggaactgt gaggacccct gtggaggccc tgcatatttg gcccctctcc ccagaaaggc    780
aaagcagggc cagggtaggt gggggactgt tcacagccag gccgagagga gggggggcctg    840
ggaatgtggc atgaggcttc ccagctgcag ggctggaggg ggtggaacac aagatgatcg    900
caggcccagc tcccggaagc caagagctcc atgcagttcc accagctgag gccaggcagc    960
agaggccagt ttgtctttgc tggccagaag atggtgctca tggccatact ctggccttgc   1020
agatgtcact agtgttactt ctagtgactc cagattacag actggccccc caatctcacc   1080
ccagcccacc agagaagggg gctcaggaca ccctggaccc caagtcctca gcatccaggg   1140
atttccaaac tggcgctcac cccctgactc caccaggatg gcaactttca attatcactc   1200
tcagcctgga aggggactct gtgggacaca gannggaaca cgatttctca ggctgtccct   1260
tcaatcattg cccttctccg aagatcgctc ctgctggagt cggacatctt catcttctac   1320
ctggctcaag ctgggccaga gtgtgtggtt ctcccagggg tggttggacc ccaggactga   1380
ggaccagagt ccactcatag cctggccctg gagatgacaa gggccaccca ggccaagtgc   1440
cccagggcag ggtgccagcc cctggcctgg tgctggagtg gggaagacac actcacccac   1500
ggtgctgtaa gggcctgagc tgtgctcagc tgccggccat gctacctcca agggacaggt   1560
aacagtctta gatcctctgg ctctcaggaa gtggcagggg gtcccaggac acctccgggg   1620
tctttggaag gatgtctcct aaactcctgc caaggtgata gaggtgcttc tcacttcttc   1680
cttccccaag gcaaaagggg gctgttctga gccagcctgg aggaacatga gtagtgggcc   1740
cctggcctgc aacccctttg gagagtggag gtcctggggg gctccccgcc ctcccctgt    1800
tgccctcccc tccctgggat gctggggcac acgtggagtc attcctgtga gaaccagcct   1860
ggcctgtgtt aaactcttgt gccttggaaa tccagatctt taaaatttta tgtatttatt   1920
aacatcgcca ttgggcccca aaaaaaaaa                                     1949
```


<210> 410
<211> 464
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (55)...(415)
<223> similar to gi1405821 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 410
acacatcctg ggggtccgac tccaaggtca gattttgcaa ccagagggag ccggagtggt   60
cctggccggg gaaagtcggc cccgccccag gatccgctcc ccctccctac tccgctgatt   120
cctggctccc gagtcaccgc ggcccgcccc gacagcagcg tggctcaggg ccctccagtg   180
cctccccgaa acccctgccc agggcgaggc gcagtgaaag gacgtttttt taccaatgcc   240
ggttcccccgg gtcgcgccgc cgccaactcc tcaaggagcc gaagccaagc ccggccgcca   300
ccctcctcct tctcctcctc cccgccgcct gggccgccta gaatcgccgc tgccgccttc   360
tcctcccccg gccgttgtgg ttgtggttgt ccctgccacc tccttacagc cgagccgccg   420
ccacgaaatc gtcgtcccgg gaattccggt ccggtgcaac ggca   464

<210> 411
<211> 955
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(767)
<223> similar to gi2072501 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 411
tttcgtgaga aggcggcggc ggcggctagg gatcagacat ggcggcggat ctgaacctgg   60
agtggatctc cctgccccgg tcctggactt acgggatcac caggggcggc cgagtcttct   120
tcatcaacga ggaggccaag agcaccacct ggctgcaccc cgtcaccggc gaggcggtgg   180
tcaccggaca ccggcggcag agcacagatt tgcctactgg ctgggaagaa gcatatactt   240
ttgaaggtgc aagatactat ataaactgaa tagatttcct tttcattctt cctgggaata   300
gaagatgtaa tggaagttcc agtatctgta tgcaggccta tgactagctt cacttcttgg   360
tgactaatac tagttgacaa aacagcatat tctaaactga ttgtcttcgt tatccagtag   420
ctttcctatt ctccataaca aatgttccaa atctttgatt actcacctca gaatgcttgt   480
ctcactcctc ttttcctcat tcctagtaga tcataccttg gagaagaaag tagaaactat   540
caggcctgaa cttcattagc ttttttcttcc tcttcaatcc aaatctgtct gtatcttcat   600
tcatttttct taacccttttc cttgcttgct atttctgctt tccaaaacca aggaaggaat   660
tttgacagag gtacccaagg aattcactgg gggaaaatga atgattcaat aaatgatgtt   720
atgataatta gatagatagc tatatgtaag cataaaaaat ttttaaaacc ttaggcccctt   780
attatcatat catgcacaaa aattaagtgg attattgatt taaatgtaaa aacaaaaagt   840
ataaaacttt tagaaaaaag agattatttg tgacattggg tctggcaaag atttcttaga   900
tgcgattaaa gatttacaaa agaaaaaatt gataaattag acttcatcaa aattt   955

```
<210> 412
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (166)...(664)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 412
gagatggaat ttcactttcg tcacccaggc tggagcgcaa tggccagatc atggatcact       60
gcaacctccg cctcccaggt tcaagcgatt ctcctgggag gcagacgttg cagtgaactg      120
agatcgtgcc accgcactcc agcatgggcg acggagcgag atttcatctc gaaaaaagga      180
aagaaagaaa tgtgttgttc agtatttact atggtctgtt cagctgttgg acggccagat      240
gctacgtgtt gtgttgagat atttctgggt gagattgtag agttgtcagg cactgcatgt      300
gattttgcgt tgtgtcatct gctggctgcc aacgttgttg cgttgctgca tagtgtgtcc      360
tttgttctgc tgccttgact gtatgtgttg tgatgccaca tcgtgtgttc tgtgctgtct      420
gctgggttgc tgtgtactag cgtgtgttgt gtggcaggat tatgtagcgg tatgctggca      480
ttacgtgttg gtgtgtggtt accgtgtctt gggatgtttc cgggctggct attaggtcac      540
tgcgtgtcgt gtgttggcat gtactgcgat cgtatttgct gggtgttctg ttgccctgtg      600
ttgttgtggt ccgtgatgcc tgatgattgc cttgtgctat gtcgcgtgct gtgtgtgtgt      660
tgccaacc                                                              668




<210> 413
<211> 1562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(1536)
<223> similar to gi600118 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 413
actaggggtc ggcccacagc ttcctcaagc caagctcccc aggcccaggt caggcctcac       60
ggtggcctct ccaggatgag ctcctgccct ccgatggcat ctccaggccc caaatggtct      120
ccggtcggtg ggctcctcca cgccaaggtt gggcctcccg gcgaccgccg caggcccaag      180
ttgtcctgaa gtcgggctct cccggctgca tctccaggcc ggactctggc ccgactccag      240
gtcccaacaa cgtctttgga ctcagctcct gcccagctcc cagcggccct ggtaggccca      300
caacttccct aagccaagct ccccaggccc agctcaggcc tcgcggtggc ctctccaggc      360
tcagctcctg gccctccgat gacatctgca ggccccaaat ggcctccggt cggtgggctc      420
ctctaggccc agcttgggcc tcccggcggc ctccgcaggc ccaaatcgtc ccgaagtcag      480
tctctccagg cttagctcca gcctcccggc ggcctctgca ggcccaagtc gtcctcaagt      540
```

254

```
cggcctggaa gtgggcctgg aagagcagca agtcggcctc cctgggccca gctccgtcct      600
ctcgacggcc tctccaggtg caaaacttcc tcgagtcagc ctctccaggc ccagctcctc      660
ctgcctccca gtggcctctt tcggcccagc ccagctcatg gctctcggcg gccttcccag      720
gccccgcttt tgacttttgg cagcctcttc aggcgcagaa cttgatctcc agtcggcctt      780
tgcaggcccg gcctcctgcc tctcgaaggc ctgcacgggc ccggcctcgg cctcggcctc      840
acagcggact ctccacgccc agctagctct cgcctcactg cggtctcccc agtccaaagc      900
tcctgccttt cggccacttc ggcaggtcca gctcctgcct gccagtggcc tctttaggcc      960
cagctcattc ctcacgtcgg ccattccagg ccccgttttt cccttccggc agcctcttgg     1020
cctctaattt gtttatcttt tgtgtataaa tcccaaaata ttgaattttg gaatatttcc     1080
accattatgt aaatattttg gtaggtaatt tatttggagt gagtttctgc gccaagcccg     1140
aattttttat tttattttcc ttattatttg gtgttaaaca ggtttaactg accggtcatg     1200
gcaacttttt ggcacagtga aaaatatcgc ccatgatcaa cgtgttctgt tctggggaag     1260
ggggcaaagg cagggtgaat cactttctta aaaagtatag ctcaagttgg gagtgcagag     1320
ggaatgggga gaaaaccctc ccgctgcctg tgtcgaagtg taggagcccc caccccccata     1380
ctcacctgag tccagcccct ctggggaaag aagggggtgca tgaactcccc ctagtccaca     1440
ggcacctccc tgtggcccaa ggctctcttc acactccatc ttgaagcccc agcaggagct     1500
attttccaaa aagtgaaaag ctctgaaggt cccacaattc atggaagtga cctcacaatg     1560
ac                                                                    1562
```

<210> 414
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(428)
<223> similar to gi775239 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 414
```
aactaatcca tccaccttgt ggcatgttcc tgcccttcct caactaatcc atccaccact       60
gtgacatgtt cctgccctac cctaactaat ccatccacct tgtgatatgt tcctgccctt      120
ccccaactaa tccatccacc ttgtggcatg ttcctgccct tcctcaacta atccatccac      180
cttgtgatat gttcctgccc ttccccaact aatccatcca ccattgtgac atgttcctgc      240
ccttccccaa ctaatccatc caccattgtg acatgttcct gcccttcccc aactaatcca      300
tccaccttgt gatatgttcc tgcccttccc caactaatcc atccaccttg tgattgttcc      360
tgcccttccc caactaatcc atccaccact gtgatatgtt cctgccctac cctaactaat      420
ccatccacct tgtgat                                                     436
```


<210> 415
<211> 1246
<212> DNA
<213> Homo sapiens

<220>
```

255

<221> misc_feature
<222> (57)...(1233)
<223> similar to gi470674 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 415
```
tttttttttt cactgagaat gcagctttct ttcatttggt cacttcacct cttcatcgac      60
cccagagagg gagtggggac cctgcatgct gccccctccc cgcccccggg gtcttctggc     120
aggactgggg aagggagcct ctcagggggt ggcggtccac gcccagtagc acctgggagc     180
tgtgggggcc gaggcagtcc gaaggtgtgg ggtagctctg agctcatgtg caggtccggt     240
accccgagcg ccttgcagcg ggagccgggg cccatcagta atagtgcatg cggcccaggg     300
tgcccgtggc cgtggggctg ggccccagcg tgcctgtgcc cagcaggtcc ggctgcccgg     360
tgcgccagat ctcccgcagg atccgttcgc gctcctccag ccgctgcgcc cgctccagct     420
cctccgccga cgtgaagacg ttgacgttga ggggcccgtc cggctctgcg gacagctcgg     480
ggcccggcag cgtgtcgtcg gggcccagcc gagtcaccgt gtcctcctcg tcctcgtcgt     540
cgtcctcggg ctccagggtg ctgctgcggg ggtcccggcg ctgagccggg ccccggggcc     600
gcgggcgggg cgcccacgag atgctgatga cgagcaggca gagggtgagc agcaggccga     660
agcagacgcc cagcacgaag tagaggccga agctctcggg gttggcgcgg atgtgcgcgt     720
aggcagccag gctgttgctg agcaactcca tgtcccttcg cggggcatcc atgctgctct     780
gggggggcagc ttcccctacc agcctgcgag gtcagcaaag tcagatcctt ctcccagcct     840
ggagcccacc ccgacccctt ccgcgggcag ctcctctccc gggagccgcg ggcccaggtt     900
ccaccctgga gagagcgctt ccctaacttc gtggcggccc ggggccctgt cggggggaac     960
ccctctcccg ggcgcggacg ccccctccagt cctgggagca gcgccgggga ccgcgggagg    1020
ccccacccccc tggtgaggtc cccagctgag gcccggttcc gccgtcccgg ggcgggatgg    1080
aggatangga cgctgagcct ccacgcccca ggcgggctcc gggaagggaa gctgcctctc    1140
tcctcgcccg gccgcccccgc ggggacccac cggcccgggg ccaggcccac tcaccgtcag    1200
cgccccgctt cccggctgcc cggccccagc gcgtcccgcg gccgct                    1246
```


<210> 416
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (211)...(349)
<223> similar to gi854065 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 416
```
ttgggatcaa gtggattgag gaggctgtgc tgtgtgctag tgtgctgtgt gtgcatgtgt      60
gtgcgtgtgc tgtgcgtttg tgtgctgtgt gctcgtgtgt gtgctgtgtg tgcgtgtgtg     120
ctgtgcgttt gtgtgtgctg tgcgtttgcg tgtgtgctgt gtgtgcatgt gtgtgcgtgt     180
gtgtgccgtg cgtttgtgtg ctgtgtgtgt gtgtgtgtgc gtgcgtgtgc attgcatgta     240
tcttacattt gtcttaatgc ttttcctttg taaaatgtgt aaattttttt tgattgggtt     300
aatttaattc acagtgtcat ctgtcttcag ttagaaataa tggaaactg                 349
```


256

```
<210> 417
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(558)
<223> similar to gi3875538 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 417
gtgcatgatc acgccaagct tggcacgagg gctgacccgg caaaactcag cggggctgg      60
atagccatgc ccaagtactg cagggcgccg aactgctcca acactgcggg ccgcctgggt     120
gcagacaacc gccctgtgag cttctacaaa gtcagcggag gacccgaagc acccagaagc     180
cagtctcgcc gccgcctccc ctacagagga atacacccct gccccagagc cctgccatcc     240
cagtctctgg cccagtgcgc ctagtggtgc tgggccccac atcggggagc cccaagactg     300
tggccaccat gctcctgacc cccctggccc ctgcgccaac tcctgagcgg tcacaacctg     360
aagtccctgc ccaacaggcc cagaccgggc tgggcccagt gctgggagca ctgcaacgcc     420
gggtgcggag gctgcaatgg tgccaggagc ggcaccaggc gcagctgcag gccctggaac     480
ggctggcaca gcagctacac ggggagagcc tgctggcacg ggcacgccgg ggtctgcagc     540
gcctgacaac agcccagacc cttggacctg aggaatccca aaccttcacc atcatctgtg     600
gagggcg                                                               607




<210> 418
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (800)...(290)
<223> similar to gi5051805 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 418
tttttttttta atctgaaaaa cagttttgcc acaattcttc aaatgttttt attggattta     60
aaattcattt aaggggtata cagatataca actagtttga tcagctacta atatattttg     120
```

257

```
gtgtcccttt attttgtac ccaagagcca gttcactttt tctccatgtt caatatttag    180
ctttggtaaa atgttgccat gttcttcctc atctgttact gaagcgttag tatttccacc    240
ctgcttggtg caagttcctc ttttaggttt cttcctgtgg gtacgttttg tgggactctt    300
ctgtttttc tcaacttcac tgtttgcatc ccacaacgtg atcttcccat cattccctcc    360
agtaagcagc aaataggatt ctgggagaaa gcagacctgg gatacccctg aagtgtggcc    420
cttaaatccc agttcctgtt cacacttaac tcccatcacc cgaaagattc gaaccttacc    480
atcttctgca ccacaactaa aaatattacc acacgaagcc acagagatag aatgggctag    540
ggcagggttt aagagctgac caggtgactg tgggccttcc atttcttctg tttcatcctc    600
ctgtaaattt gtaatccaga gtggtcgggc tttttgaaga ctccacagca tcacctgcat    660
atccagtcca catgacacca ggctctgagc ctctgaggcc gaaaagccac tgaggagcag    720
atattggaat gtctcttcaa ggatctgata actntcttgt tttccaagtc taggattttg    780
attgccccag agtcgtcagc                                                800
```

```
                <210> 419
                <211> 930
                <212> DNA
                <213> Homo sapiens

                <220>
                <221> misc_feature
                <222> (105)...(872)
                <223> similar to gi1244720 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters



                <400> 419
ggggctgtgg tcatcttaag acagcattcc cagggaagca gggatgacag aaccccatag    60
catgagggca ggaggagtgg atacaaggat gtggagaggg gaaagactcc cccattcctt   120
tccctcctcc ctcgtcatag aaagtgagga ccaaggcacc caaggtctga ccatctgtgt   180
ctccagagct cctgcatgtg actaacctct gtgtaaactt ctccaaactg cacaccctgg   240
gtgacaggcc cctgggaggc ctcaagggac accccttcta ctactatgcc ttctatgagc   300
ttgtagccaa aggcagttgc ctgtgccttg ggcacacctc taagtgcagg tctgcacctg   360
gaaccccagc caatgtggtg aggacaatgg gaggggcatt ctgttgctgg tggggtgggc   420
aagctgggac tccagagcag gcctgccttg ccctcctccc tatcaggtac atgggctttg   480
catctgtccc caccagtcgg tgcacactgt gagtgctgcc aagacctgca ccaggatcat   540
ccatgacatg cagcagagcc tgggcacccc catgcctgct gggatgaatg ccatgctcta   600
ctctgcctgg ccatacctgc cacaggtccg cccaccccat atctaccttt ctggttctgc   660
ctcagaatgt gagtgccatg ggcatgtcta cagttgtcac tttgacacag ctgtgttgtc   720
tggttatgtg agtggaggtg tgtgtgatgt gtgttcagca caacacagct ggggcgccac   780
tgttgagttc tgctggccct tcttctactg tcatccctga gaggatccct gttcccctcg   840
gtcctgcaga catgagtcct tcaaccccta atcccaacac tgactcttat ccttcagctc   900
catggtgacc tctgacctaa ttccatcctt                                    930
```

```
                <210> 420
                <211> 599
                <212> DNA
                <213> Homo sapiens
```

258

<220>
<221> misc_feature
<222> (78)...(599)
<223> similar to gi3879547 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 420
acctactaca gtgactccat cttcttcctc tcgggcgcca tgcatcagat catgcccaaa   60
gagatcctgc agatcattca gctggaccta gacctgaagt ttaagaccaa catccgggag   120
ttgtttgagg aatttgacag tttcctgcca ggcgccatca tcggcatagc ccgggagatg   180
cagccagttt acaggcacac attctggcag ttccgccatg agaacccca gacccgggtt   240
gggggcccgc cccccgaggg gctgccgggc ttcaacagcg gggtgatgtt gctgaacctg   300
gaggccatgc gccagtcccc gctctacagc cgcctgctgg agccggcgca ggtgcagcag   360
ctggccgaca agtaccactt tcgcggccac ctcggggacc aggacttctt caccatgatc   420
sgcatggagc accccaagct cttccatgtg ctggactgta ccccgaaccg gcagstgtgs   480
accyggtgga gggaccatkg gtacagtgac gkcttcgagg cctatttgag gtgtgagggc   540
cacgtyaaga tctascacgg gactkgcaas actggcatcc cggggragta ggggtccc   599

<210> 421
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)...(448)
<223> similar to gi1196432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 421
attagaatct gaagatatat ttaggagtaa ttcgaagaat gattacaaaa tagtcattca   60
aaatgacttt cctaactcag tccataaggc caggattagc cagacacgaa aaccaaacga   120
acatcttgag aaaacaatgg agcaatatcc cttatgaata taaatgcaaa actcgagaaa   180
ataccggcaa gctaaaccca acaacataga aaaaggatta tatcccatga ccaagtggga   240
ctcaccctaa gaacaccagg gtggttcaac atcagtgcaa tacaccatat taacagacaa   300
aaaagcagtt attttgacag agtagaaaaa gcattttgac aaaatacaac actcttgcat   360
gatacaaaat tcaataaact aagaataaaa gggaccctct ttagtctgat aaaggacatc   420
tagtaaaagc tcacagctaa caccatcact ctttaacatc acagttaaac agtaaaagac   480
ggcctcgtgc caagctggcg ttgc   504

<210> 422
<211> 432

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(430)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 422
agctcactgt caagcagagt tgaatgcgta gttgggtgag aggagtgtag ggcagcggcg   60
ggcagcaaca caataaacca actagatcta acacacatcc agacattcta ccaagaacaa   120
tagcagcata tacatccttc tcaaataagc atgagtcatt ttccaggata caccatctgt   180
taggccacaa attaggtctc aatcaatttt aaaatgtagg tatcatacaa actcttctcc   240
aaccacaata ggataacgtt agaaatcaat aacagaagta aaactgaaaa atccacaaat   300
ttctggaagt taaacaacac actcttaaac aaccaacagt ccagagaaga aatcacaagg   360
gaaaaagaaa atacttagaa tgaaaacgaa aacgcagcag cccagcactt acaggatgct   420
gcaaaagcag cc   432

        <210> 423
        <211> 1393
        <212> DNA
        <213> Homo sapiens

<220>
<221> misc_feature
<222> (122)...(1396)
<223> similar to gi5832891 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 423
tttttttttt gccttctgga tttttttttt tttaaaggga ggttggttcc tgcatttcca   60
ctctttgacc ataggaacgc ctggctacaa aaggggctgt aattggctgc tgcctatagg   120
ggccccaggt ccttcctcca attgcaaggc agcaactccg aagttctaag tcccatggaa   180
agtggcagtg gttgggctgg actgtggctg gaggatcacc gggcctcggt tctcaagcac   240
catctgtctg gctgcagctg ggcccttcag ctgggggcca gtgttgcttt ccagctgccc   300
ccaccgggtc agatcatctc tggcaaggaa gagctgctgg catctcttac tgtccttctc   360
gcaggccttc ctccaccttg ggtgcctcct gacgcctgcc ccggaagtct tcatctgaaa   420
aggagaggga agctgcctca tcctctaccc tgcagggcct cgctcaggca cggcccctag   480
actgggcaag agagctgacc cgactctctc tgcccccttc atttgggacc catgcagatc   540
ccccccaggta gacgatgcat gggtccaggg agagaggcag caggacactc aggtgctggc   600
cagggtccac cactgagctc tgagaccttg gacaagttct cccctcgtct ttgggcctca   660
aatttcctca tctataaaat gggatggaaa agctggacta tctagatgac ctctgaggcc   720
cttccagtcc ttgtttctgg atgcctcctg accctcgaat gtggcatgag gatcagggtt   780
cagctgcggg cccaggaggg tctgaggcag agtcttctgg cccacgtggc ctttggaagg   840
gactgggtga aagttgagaa gcctctgggc ccacagactg aagctgccca gtgcttggtt   900
ctcaggccga gggtccccca tgggggcagg cctgtctgcc acctcacacc caaaagaata   960

```
ttccccagaa acagtacctg gcacttcatg ctacaggtac acatctaggt ggaagtaggg   1020
ctagggcccc ttttcagggg ttgcagaaag ggggaagcaa tgtcgaccaa gtcaggggga   1080
tccatatctt tgggtcacct gcccaccaac cctcagtgtg ttcctccagg ggacagggcg   1140
ggtgctccca tgaaacaccc aggaactccg ctggagatc cccgatcata gagaagttgg    1200
agcttcgatc tcccctccag cctccccaca cgcgtggccc tccacatcat ccaggaggtt   1260
ggctgttgac gcgacagccc ccagcctgcc aggccattca ggaaaaccgt cccagggatg   1320
aggggacact gccctagtcc tcccagtccc actgactctc tgccccaccc ctcaaagctc   1380
tggaggtacc tga                                                       1393
```

```
        <400> 424
ctggcacctg gctctggccg agttttctgg ccagaggccc ccactttcct aactcgagct     60
cccttccgcc ttcttttccg tactgtgaag aaagaactct ccaccccagc tcccaccctg    120
ccctggcctg ggtggaggaa ctgcgcctcc atccccagaa gaaacagccc cctctgctgc    180
tggggtggga ctgtctgtgt gccctgtggg ggtccgtgtg agcaggccca cctggctcca    240
gacccgcccc caacctgaga cagaaccagg ctgagccagg ccctcacccc caaccccgt     300
ttgctggggg cttctccagc cggcccccat gggaagaggc ctggtaccgc ctcacccaca    360
gaggtctgtg ccaggtgcgc ttctgcaggt ggagccaagc tctccctgag gccagaggcg    420
gggcctgggc cgggagccca ggggaaggcc aggctggacc ccggctccac acccacatcc    480
agcctgcagg cctctctgca gtcctctcac cctccctcag ctccccttcc tctgcagtca    540
ccctcagctc cccttccttg cccgcctctc ccccgccgc cccaccagtt aaacggatga     600
ccaaagacct ttcttatgcc ggaagcaaaa accaaaactt tttgttggct ttttccttttg    660
tcgcctcccc agcacctgcc ctcccagtct cccaccccgg ccccaggctg gaagccctcc    720
ctccacttaa gttattgttt taaaccaaag tttacagtgt ctgttggtgg ccaagacctt    780
ctctctccac ccctcctcca tccaccctga ggaccctggg gctcagtgga ggcagggccc    840
tgcccccctc ccttccgctc ctgcccagcc tgggggaagg agaaaggagg ggagaaagcg    900
ggctctcacc ccctcaggag tgggcacggg agcccttctc cctgaccctg ggctgcttcc    960
tggggggctct ccagacccct ctctaggacc aagtcacccg tcgtgctggg agtgtggatt   1020
ctagcaaaag agctggaaaa aagtcagact ctccacagac cccctatggg ggacccccaa    1080
ctcaaggcca aggactgggc gtatcggatg ctcataacac ccctggcctg gcccctttac    1140
tgagaagact ccttggatat ttcccaagaa ccccccacat acacccctca caagccaccc    1200
ctcctgagag gcagggggcc ctccgccccc tccccatgta ttccccacct gtgttccgtt   1260
tgaccagcac agaaatatta aacgtcctct attcactggg aaaaaaaaaa aa            1312
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(595)
<223> similar to gi483916 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 425
ggaattccag aacaagaaaa atattgctag gagtaatgaa gcatgattca tcacgaaaga   60
aggatcaatt ttttgagaag acacagcggt cctaaatgta tatgcatcca gtaacagagt   120
ggaagcaaaa actgacagtt gaaaggagaa atagacaaat ccacaattac atttggaaat   180
tacaacattc ttcctcaata actgatagaa caagcaggca aaaaatcagt aaggttatag   240
aagatttgga caatactctc aatggactat acttaattga catttacaga acactctgcc   300
cacattcttt tcaagtgcac atggaacatt taccaaaata gaccatatgc tgggctacaa   360
aacacatttc aacaaattta aaaggattga aatgtagtgt ctactctgac tacaatggaa   420
ttaaattaga aatgaaaaag atacctggaa agtctccaaa tatttgaaag tgaaataaca   480
tacttcaaaa taacctttgg gtcaaagaac tcacaaagga aattagaaaa tattcataac   540
gaaatgaaaa tgaaaacaca atatatcaaa atttgtgaga tactagaaaa tattt   595

        <210> 426
        <211> 1609
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1610)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1609)...(17)
        <223> similar to gi5739387 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 426
tttttttttt ttcaccgggc taggtctgct ttttattggc cacgcatcca gccgccagcc   60
tcagggcaca cacctggcag ggggcaggct cgggtaggct gccctcgctg ggtgggcagt   120
gagggggcag cggctgctgg gtgtcaccct gcagcccctc aggtggacct gtattgtccc   180
cagggcctgc ccacgctggg cagctggcac tgggagggggt tttctgttga tgtgatggcc   240
aagtttcagc tgcagggcag aggcctggca gtggcagcaa aggcagaccg cccccaactc   300
caacttcagg ggctggacat gctggaacgg gggccagacc ccatgggagg ggaccctggc   360
ctgccatggc actgcctgcc agcttacccc tgcccagggc ccccaactca gccacctcca   420
agcagtaaag acttgcaaag cattgcattt tgattaaacc ttgctgggct gaagggcagg   480
cagagctgtg gtggacactg gcaggacgca gcacccccg actggccctt ggcaggctgc   540

```
accgggcgca tgcgggtgtg ggccagggtt gcctttagga agcaggtggg aggctggcac      600
gtgcaggcgg tccaggaggg caccaggcct ggcagggcac tggtgcctgt cgggttccca      660
gccacaacac cccaagaagg ctccaggagg gccccggctg ggtaaggcac ggagttttgg      720
tttccggggc ccagtcccag cctggccccc agaagagcct ctcttggcag aatggcagca      780
tgtcctgtgg cctgggctct ctcacttggc cttgggcctg ggcctgaggc cttactggat      840
cacacacagt ttctttgttt tattatcatc agaatcaggg ggaacctctt cctggctcct      900
ggagggacgc ttcttccttc gcttcccggt cccctttgag gcccggcccc gggccctggg      960
gagtgtgccc gaccccgagg agtcggtcac cgcatcctcg gagaaggact tgtccaggga     1020
tgtgtccagt gcggactctg gggccgtgtc ctcctcgtcc tcgtcctcat ccccacctgg     1080
gcctgctgca gggggtctgg caccacggct gtggacagcg tcctccagcc cctcacttgt     1140
gctgtcggcc tcggcctgga ggacgcccag caaggacgtg ggatccttgg catcttgcct     1200
tgaacttccg gctgcagggg gctggttgct ggagaacttg aggggcttca gggcctgagc     1260
atctcccaga gtcaccggcc aggccccctc caagggctgg gggcactggg gatcctcagt     1320
ggttaggaca tcgctggcat ccacatacca ggaagaacgc ctctccaggg gccggggacc     1380
accctcctcc aactgctcca gggtgggctg agggccgggg gtcacggcgt ctacaaggtc     1440
ccagccccgg gactcgctgg ctgttgtagc atcaaggccg ggctcagagg cgggacagcg     1500
cgtgctgccc acggggtctc ctgcagggtt actggtggcc acaggctctg tggctcttgg     1560
gggatccagn nttccnccgc ncttccagng gtctcaatag ggtgtcaaa               1609
```

<210> 427
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(652)
<223> similar to gi4185939 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters.

<400> 427
```
ggaattcgct gaagggaatc aaatggctga ccgcctaatt gctaatgcaa tctcaaatgc       60
tatacacttt cacaatttaa cccatgtgaa tgcctctggt ctcaaacgca gatgcagtat      120
tacctggaaa gaagctaaag ctattatcca gcgatgccca acttgccaaa tggcccattc      180
ttcatctttt acaggaggag ttaatcctcg aggattggaa cctaactctg tttggcaaat      240
ggatgtcaca catcttccct cgtttgggag actagcttat gtacatgtat gtgtggacac      300
cttttctcac tttgggctac aggccaatca ggagagcctt ctgcctgtgt aaatgtcac      360
ctcttgcagt gttttgcagt gatgggcatt ccagcttcta ttaaaacaga taatgcccca      420
ggctatccta gccaaactct agctacattt ttctctttgt ggaatattaa acacattact      480
ggtatcccat acaattctca aggacaagcc atagtggaaa gaatgaatct ttccctaaaa      540
cagcagttgc aaaagcagaa aggggggagac agagtatatg gaaccccata gatgcaactg      600
aacctagcat tattaacttt aaattttctg agcctgccca aggccagaag ttatcagcag      660
```

<210> 428
<211> 1072
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (158)...(1050)
<223> similar to gi30058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 428
tttttttttt ttaaaaatcg gcatgctcct ttatttgttc agaagagcag ccagcatcac   60
cctcgccact caaacctggc acatacgctt cggagacaat ggcctcggga ccctcatgct   120
gctgggccca ggagagacag ttctgaggca gaaactcggc gtccaagggg ggccgcgggt   180
caggcactgt ggtgaaggga acgccgggga gtccggcccc accttgcagc tggggacacg   240
ggggcgcaaa cagaggggggc aggctagtgt cccgctgccc caggaacaga cctcagggcc   300
ccaggagggt ctgcaggcag ctaggagcct gccaagtgct ggtggaagta gaggccgaaa   360
aggctggcga gcagctggca ggcagccgtc caccagatga ggtaggccag gacgccacgg   420
aggaagaggg gagtaagcag gccacccaga gccccggcaa tccgcgctgc agtctgctgg   480
acttcgtcct ccccagagcc gatgggggca gcgctggctg aggatgggtc gggggatagt   540
agaggagctg ggcccaggcc ccaggaatag cctcccagcg tcttgagcag aagtgtgcag   600
ttgagggtga ggatgagcgg cgtcaggtac tgcaagctca ccacggtcac atagcagtag   660
actcggacca ccctctgctg gatttcacgg gcttcgatgc ggccagcctc ccttcgcagc   720
tgctccaccc gggccttggc caggcacagg taggcctgca ggtggggccg ggtcaccgcc   780
agccgcagca ggcacagcac caccagcaac cagaggcgcc cagagtcgaa ggcagaatcg   840
gacagcaggg agaaacgcgt ctccccaaac ggcggctggt gcaggaagtc ccgtgcaatg   900
ggctttgtcc agagccacag gatgaacagg ggagacagga agctggtgtg caggaggaac   960
ctggggggtg agggcaggag ggagtgaggc ctgggtaccc cctctcctcc acccgggact   1020
tccggaccgg tacggcacgc gtaaaggtta tcaatggttt caatccccac ct   1072

    <210> 429
    <211> 1330
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (177)...(1314)
    <223> similar to gi3641655 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 429
tttttttttt atggggcggg aacttttttat ttgaagcaag ttaatcatag cattgccccc   60
cagtaccctg gtatcctgct acaaggagca tcacaccatt tgggcacatg gtgtgccctc   120
tccactagcc tggcatctca gcagacagca gagggcagca gaagctcagc tagtggggcc   180
cctcccacca gcccccaccc ggtccactga aaggcagtgc tcctgggggc ctctgtggac   240
tggtgggggcc agggctgcaa cacgccctca ggccaagctc cactctgggc accctcgcag   300
gtaactcagg tgcttgcagc tcggccagct ctctaatcca cccaaggagc ccgcccagct   360
caagggccac atcccaaaga cagggtgaac caggggacag tccaagcctg agaaagcgac   420

```
agctacagga aggaaggcag aaaggctttc agatgagggg aggtcttctg tccatgggtg      480
agctgggatt cacggccatg aaggaaacgc caaggagaac agagacagac acccctggca      540
gctccccggg attgcttctg ctgctgttgt tattgcttcg ggcagagggg ctttgccccc      600
aggaggccaa gcaggccctc agaagctggc accaccattc tcatccttat cagttccggg      660
gggggcacgc tgggggtgag cagaggggc cccctccaag cagagaggca aggtaacagg      720
agagcctggt aggcagtgct gaatctgctt gtatgcacac gtgccctgac atgtttatag      780
atggacaccg ggtgcagtcg gggcgtgtga gtgtgtaatg agtgtgtccg tccgcgtcca      840
tgtgagcatg cagacggggt ggggcagggg tgagtggccc cggggaagca tgacagatat      900
ggctgtgggc tacagcgggg agcaagagca ggtaaacaat gcctggagca ccaacaggaa      960
agaccagagg ggcagaagga gaagcacaag gacaggagga tgcggcccccc ctcgctccca     1020
gcaccccgca ccactcgtgc atgagacagg gggcagagca tgggaaaggc tgcagagtag     1080
ggggggcctg cagttggggt cacgggaact gggcgttagg tgtcccaggg gtgcctggtg     1140
ttcatgctga ttgcagtgat gatgcacgtc ctcctgggcc agtccacggg gtgcgcctgt     1200
acacactggg cgtgtgcgga tacaagggca tgaatgcagg ttggtcgctt gtcttcacac     1260
aggcatacgt aatgttcgca gagacaaccc cccatcctcc agtggccacc ctgagcgaac     1320
gcgtgggtcg                                                           1330
```

<210> 430
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(826)
<223> similar to gi2072961 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 430
```
taccacaatc atgactatat aaggagtagc tatacttacg ataagagact ttgtatcaaa       60
cacagtaggg atgaaatcag gaagaggata caaaaattgt aaatatatat gcccccaata      120
tcagagcacc cagatatgta aggcaaatat tattagatct aaaggggaag acaatacaat      180
aatacaataa tacttgtgga cttcaacacc ctactttcag caatggacag atcatataca      240
tagaaaatca acaaagaaac accaagttta aactgacttt agaccaaatg gacttaaaag      300
acactaacag atcttttcat ccgacagcta cagaatacat attttttttc ataagcacat      360
gcaatatttt caaggagagg ccacatgtta aaccacaaaa caaatcacaa aaattaaaag      420
aattaaaatc acatcaagta cctttctgac cacaatgaaa taaacctaga aatcaataac      480
aagaggaact tttaaagcag cacaaataaa tggaaattaa ataacatgat tctgaatgac      540
caatgggtaa tgaagaaatt aagaaacaaa atttaaatgt cttaaaatga gtgaaaacag      600
aaacacaaca tataaaaatg tatgggatgc agcaagagca gtttttaagag ggaagtattt      660
agtaataaac acctacatca aaaacaagaa agatctggct gggcatggtg gctcacacct      720
gtaatcccag tgctttggga gcccaaggca ggaggacgac ttgatgctgg gtcaagacca      780
gcctgggcca tatatatagc aagaccttat ctctaaaaaa aaaaaa              826
```

<210> 431
<211> 837
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(838)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (401)...(385)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 431
cgagccacgc gtccgcttaa atttttgttc tggctgtggc tttatgcttt cctaaaatgt    60
ggcctgtaac gggttattgg taaatatgct gaattgcttt ctttggcaag tgcatttcag   120
tattgaatcc aagtaaaaac acaaatattt acttataaaa gtcatttggg gtagtaatat   180
ttttactatg gccactgacc cactagtgaa atgttagggc attgctagat tggatcctgt   240
ttatttaagg gccgagagaa agagaaagct aacattaatt gaatgcctat taatgtgcca   300
tcatatttgg tacactatta tctctttttt gctttcccag caactcggga agtttatatt   360
atctctgttt ttccagcaag aaaagtagct ctcaaagaaa tttatagaaa ttgagaagtt   420
gatttttaaa ctctgaaaat gtaaacaatc caaaatagtc aaaccaattt ttaaaaagaa   480
caaagttgag attcttgtat tggctgattt taaggcttgc agtaaagcta caagacagtg   540
tggtgttgga gaagagctgg acatataaat cagtagagta ggataaagtc cagaaataga   600
cccatacata catggtcaat tcgttttttga caaggcaatt taatggagaa aggaaaatct   660
tttcaacaaa ccatgctaaa acgactaggt ttccatatag agaaaaaaat gagcctcgct   720
taaaagggtc gtagacctaa atataaaagc tnnnnnnnnn nnnnnnnnnn nnnnnnnncc   780
gtgtggagtc tggagacgac gtgcagaaat ggcacctgga aagggaagg aaaagaa      837


<210> 432
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(847)
<223> similar to gi1340175 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 432
ttttttttac tatactaata gattatgtat attataaaaa acacaataaa aaatagacat    60
tttaaaggga tgagattaaa atatagaaag aaaattccca tatgttttc ctgctgccgc   120
tggggttgtg tgtccatctt tggggacctc tgagggaggc cctggagcca ctgagagggg   180
cggtggtcgc caggggtctg gaaaatggag taaggaggcc tgaaggggcc ccaggaggc   240
ttcggggagg caggggtcgg ggttacagct ccgcgccgct ggggaagcgg aatctgcggg   300

```
cggaggccgg ggcaccgtgc tgtccagggc aaggggaacg cagtcccgcg gcatccacga    360
cggaggggcc cggccgcggg gcctggtggc ccggggagcc agggcatggg catccggggc    420
agaaggactg cgggcgcgaa gcttgggagg cagggtactt ggggcccgga gagtcgctcg    480
ggcctggctc cggcagcagt cgcgacaggt cctccaccag gtgccacttc tcctgaacct    540
gctgtgagga gaacaagtgg cgagttgcga caggcgctgc ttcccacgag cgggtgtgag    600
gacagcagcg gcagcaactc tgcggcccat gggccagccc gcacccaaag tagccagagg    660
ccacgccccg cccgaggcca cgccccgctc gaggccacac cctcccaggg ccacgcccca    720
ccagggtccc gccccgatgc agccctagac cacgccctca ggagttccgt ccccaacgca    780
gccagatgcc actccttcca cgtccccgct ggagcccaca ccctcccagg gccacgcccc    840
accagggtac cgccccgatg cagccctaga ccacgccctc ctgcctcc                 888
```


```
                <210> 433
                <211> 677
                <212> DNA
                <213> Homo sapiens


                <220>
                <221> misc_feature
                <222> (25)...(677)
                <223> similar to gi1724122 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters




                <400> 433
gcgccggggc atcagcatcc ttttaagttt atcaaaacat gcccggtgtg gctgcagctg     60
agtctgggcc aggcagaggt ggccaggatc ctgcaccggg tggtggctgg gatgttcctg    120
gttcgccggg acagcagctc gaagcagctg gtgctctgtg tccactttcc ttctctgaac    180
gaaagctcgg ccgaggtgct cgaatacacc attaaggaag aaaagtcgat attgtacctg    240
gaaggctcgg ctcttgtgtt tgaggacatc ttcagattga ttgcgttcta ctgtgtcagt    300
agagacttac tgcccttcac actgcggcta ccccaggcca tccttgaggc cagcagcttc    360
acggaccttg agaccatcgc caacctgggt ctgggtttct gggactcctc gctgaatcct    420
ccacaagaaa gagggaagcc agcagagccc ccaagagacc gggcccccgg attcccccta    480
gtctccagcc tcaggcccac agcccatgac gcaaactgtg cctgtgaaat cgagctgtcg    540
gtaggaaatg accgcctgtg gtttgtgaat cctattttca tcgaggactg cagcagcgcc    600
ctgcccaccg accagccacc tcttggaaat tgccctgcac gccctttacc gcccacctct    660
gatgctctcc tgcctcc                                                   677
```


```
                <210> 434
                <211> 404
                <212> DNA
                <213> Homo sapiens


                <220>
                <221> misc_feature
                <222> (1)...(400)
                <223> similar to gi2477513 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters
```

<400> 434
gccatgtcag tgcctgggca ggaggagcat atggtccggg tgcacgatgt cattcaacag   60
ctgccgccac cacattacag gtaaaccaga aggggcaggg cgggtcttgg tggtattcca   120
aggggggttga ggctcaggtg cccccctctgc ttcctccccc aggaccttgt agtacctgtt   180
gaggcacatg gcccgcatgg cgagacacag tgccaacgcc agcatgcatg cccgcaacct   240
ggccatggtc tgggcaccca ccctgctacg gtccatgaag ctggagtcag tgggaatggg   300
tggcgcggcg gcgttccggg aagttcgggc ccagtcggtg gtggtggagt ttttgctcac   360
ccatgtggat gtcgtgttaa gcgacacctt ctcctcctgc ctcc   404

<210> 435
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(723)
<223> similar to gi2047353 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 435
ctcaggtagg cgctgatggt ctggggatca gtctccatgt ggattgcctg ctgcagggcc   60
agggctgtgg tgctcctgac gctgtcgaac agaggcaggc gaggcaggtc ccgcagcagc   120
cactgatagc cctgcagcac atctgtgtcc cccacatcct cctccatggg gggctccttc   180
tcctccccgt cccgcaggct gccctccgaa agcaccagcg acaaaccctt catggccagc   240
acgcgggagg ccacctggga ggagccgagg cgccgcaaaa agtagtccag cacctcacac   300
gtggtttgct catcagcctt cgggcccagt agcaggtcct gcaggcggcc cagcagctgc   360
cgctgctttt gttgcctctg ccgcttcttg gccttctgct ccttgctctc gccctcgtcg   420
tcctcctccc cggaagcagc atcgtccaca gcatcgtgca gcaggaactc gcacagacac   480
tgcacgggca gcacgtccag ggagccctcg ctggactgta ccaggtccgc cagccagggc   540
atggactgcg aggaggcctg ccgctggatg atgtggagga gaaagtcagg gtttcggctg   600
cggcacaaga ggtgcccgag gcggagggac tggttgaggc ttttcacttg atccaggatg   660
tgaggggggag gcctccgggg gggcccctgg gggtccaggc tggtgagctg cgacaggagg   720
aggctgctgc tctcagtgat ggtctgcttg gtggacgcgg ccc   763

<210> 436
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (43)...(574)
<223> similar to gi4761233 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 436
gtgcaattca agtgctacac cacgaggacg ggcagatgaa caccatctgg ccagcctcgg   60
tgcaggtcag cgtcaatgcc acgccgctca ccatcgagcg tggcgacaac aagacctcgc   120
acaagccact ctacctgaag catgtgtgcc agccaggccg caacaccatc cagatcaccg   180
tcaccgcctg ctgctgctcc cacctcttcg tgctgcagct agtgcaccgc ccatccgtcc   240
gctcggtgct gcagggcctc ctcaaaaagc gcctcctgcc tgctgagcac tgcatcacca   300
agataaagcg gaacttcagc agcggcacca tccctggcac ccctgggccc aacggagggg   360
acggggtgga gcagacagct atcaaggtgt ccctgaagtg ccccatcacc ttccgcagga   420
tccaactccc tgcccgaggt catgactgtc gccacataca gtgctttgac ctggagtcgt   480
acctgcagct caactgtgag cggggggactt ggaggtgtcc tgtgtgcaac aagacagctt   540
tgctggaggg cctggaggtg gaccagtaca tgctgggcat   580

<210> 437
<211> 944
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> similar to gi2864625 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 437
aaggaggacg tgatgacgtg cctgattaag gggtgcaact tcgtgctcaa gaacatcccc   60
catgaggcct tcgtgtacca gaaggattcc gaccctgagt tccggttcca gaccaaccac   120
ccccacattt tcccctatct tcttgtcaat atcggccctg gagtctccat cgtgaaggtg   180
gagacggagg acaggttcga gtgggtcggc ggcagctcca ttggaggcgg caccttctgg   240
gggcttggcg ctctgctcac caaaacgaag aagtttgacg agctcctgca cctggcctcg   300
aggggccagc acagcaatgt ggacatgctg gtgcgggacg tctacggcgg cgcccaccag   360
actctcgggc tgagcgggaa cctcatcgcc agcagcttcg ggaagtcggc caccgccgac   420
caagagttct ccaaagaaga catggcgaaa agcctgctgc acatgatcag caacgacatt   480
gggcagctgg cctgcctcca cgcacggctg cacagcctgg accgcgtgta ctttggaggc   540
ttctttatcc ggggccaccc cgtgaccatg cgcaccatca cctatagcat caacttcttc   600
tccaaggggg aagtgcaggc gctgtttctg aggcacgaag gctacctggg agccatcgga   660
gcgttcctga aaggagctga gcaggacaat cctaaccagt acagctgggg agagaactat   720
gcaggcagct ccgggctgat gagtgcatca cccgagctcg gcccggcgca gcgggcgcgg   780
agtggcactt ttgacttgct ggtagtgagc cgggtggaaa ggccactggt tgaactgccg   840
cttcttctgg acccgccctc ctacgtgccc gacacggtgg aacttactcg atgacgctct   900
ggcctgaaaa tcctggctca actgctgtga ggaggccctg ggcg   944

<210> 438
<211> 982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (378)...(982)
<223> similar to gi1182038 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 438
gcgccggggc acatagccac tgcccagagc tgcccccaga gctgggagcc atcttgcaca   60
tggtgctgtg agatgccctc cagagaggaa gatggaagct gtctccgtgc cccgggactg   120
atgaagggcc cattccaggc ctttgggcac ccgggctcgc taccttctg ggagccctgt   180
cctgtgggcc aggacaaagg tgccctcact ggtggcattc tcagaagctc agccactccc   240
cacacatgca cataggggcg tgcccacacc aagccacgtg tgggtgtctg gggacaatga   300
gtcttggggg aggggtgggg tcccttccag aagggtctgg ccaaagtcca gttatgaagg   360
tgagctgaga tgggctccct caaaggagcc atagtgtggg gagccccggg cagagcccag   420
agagaaatgc cagccccgag accgagacac gctccaagga gtgctgccaa gagcagtaga   480
cacagccgct gaggcccacg gggcacagtg aggctgtggg agagggtggc ccctctgtgg   540
ccatttccct gcctgtgctc acatcccctc ctcaggcctg tctcaccagc tcttgcagcc   600
catgacccac attctgtttg actctccttc ctctcctggc aacagggatc ccagtgcccc   660
tcaccattcc ttctggtctc tcctctgcct cccggaactg ttccccagga ctctctcctg   720
ggtcagccct tcctcccact ccacatcagt ggttccgaac cccggatgcc tttgggatca   780
gctgggtgca ttttaaatcc ttccagccca gagccctgag gcccaagtca cccccgcctg   840
ctcctgtggc acccccttgga tcagccaacc attttatcat catccatcac gtccctgtc   900
accaagagcc tctggcatgt tctgttgtcc ccacgcccac actggcaccc ctcatccacc   960
aacctgtata tctcctgcct cc   982

<210> 439
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(604)
<223> similar to gi2121220 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 439
tttcgtgctg aggatgaggg tgaagagtac agccctctgg agggcctgcc acccttttatc   60
tcactgcggg aggatcagct gctggtggcc gtggccttac cccaggccag aaggaaccag   120
agccagggca ggagaggtgg gagctaccgc ctcatcaagc agccaaggag gcaggataag   180

```
gaagccccaa agagggactg gggggctgat gaggacgggg aggtgtctga agaagaggag      240
ttgaccccgt tcagcctgga cccacgtggc ctccaggagg cactcagtgc ccgcatcccc      300
ctccagaggg ctctgcccga ggtgcggcac ccactgtgtc tgcagcagca ccctcaggac      360
agcctgccca cagccagcgt catcctctgt ttccatgatg aggcctggtc cactctcctg      420
cggactgtac acagcatcct cgacacagtg cccagggcct tcctgaagga gatcatcctc      480
gtggacgacc tcagccagca aggacaactc aagtctgctc tcagcgaata tgtggccagg      540
ctggaggggg tgaagttact caggagcaac aagaggctgg gtgccatcag ggcccggtgt      600
att                                                                    603
```

```
<400> 440
tttcgtcccc gaggctcggc cggtgggcgc agccggggtc ctctgggatt gtcaggcctg       60
tccagcctcc cgcagcatcc ccgccccctc ccccggcggt caagatggag ggagcgggcg      120
gcctcccctc cccacgcgtg ttgggagggg ttctcgggta gcggcgatgg tcagccccgg      180
ctcccccttc cgcacgatcc tccgcccgca gcgtgggggat gctcgggcag ctcctccact      240
cccggtttag gtgtgaacgt tggaggggtc tggaggctgt ggtggcgttt tccggaacat      300
gtccccctcc atggggggaca tctctggagg ggagaagtta gggccgcgtc ccccgtgccg      360
gttaaagggg taggcaccgg gctcctccgg aatcatcagg gtctgtcggg gctctctccc      420
cgcccccctcc gagtcctggg aaagatcgga ggacggggtg gagacaagtg ggccttggcc      480
cccgcacccc tctgcgttcg tgtccgaggc ggcggcgggg gctcccgaac tccccctgaaa      540
tcgtggggct ccatgtggcc tccggcagcg ttccaccctc ccccacctgg ggaagggaag      600
gggtggggag tgcccggccc cgtcccggcc ttcctccttc ccccgccaga cctctccggc      660
gcgcgggtgg tggtcgatcc gcattgctgt tcgaggg                               697
```

```
        <400> 441
cctgtggaag aagagcagga tggagagcat ggtctggtcg atgttgcggt tgcagatgcc      60
ctcgttgatc aggtagcagg ggtcccgcag caccggctct agcgaatcct gccgcattat     120
gctgttgagc ttgtcggtat tgaggttctc aaagaccagc ttttcctgca gctgccgaaa     180
gttgctcact gtagggctgc ccgggttgtt gttctccccg ctgctgcctc gctggagccc     240
actccgatgg gccaggtcca ggcagcagtt gcagcagtcg aggccgacag gtgagcggca     300
atcgagcttg gactgggcca tcttctcagg ctcggaggtc gcctggcctg cgaggtcagg     360
ggcggctggc aggtgcgcgc ccaccgagct ggcctgaggg gactccaggg tgcctggaaa     420
agacaagctg tgaggaaaag agttggaaat tagcgcctaa agccagccac cttcggctcg     480
gcccccttct ggctgtactg ctccgggtgc gaatagaaac agctggacaa acagctccga     540
gcggatcctt cgggctcact tcctcctctt cctccttctc ctccccctcc tcttgaggcc     600
ggggggccgcc ccctgaggt gccacacgcg gccccagcgc agtcccaagt ttcccaagtg     660
tgagcgggga ttggggcgga cctgtggagg caggaagggc gggcagcagg cagagggag     720
agccagggcg cgcccttgct ccctccctcc tttgctccct ccctccccgg tttgcaggct     780
ctcaggctct cgggctcccc tgggctgtga cggctgagcg gtggcaggag ctgagagcga     840
gtgagctacg aaatcgtcg                                                   859




        <210> 442
        <211> 1569
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(1435)
        <223> similar to gi211610 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 442
ctctcttccc cgctcttccg aggaaaggcg gggcctgggc gcccgcggga aacccgggcc      60
cgttgcatcc gctgggtgta gccgtgggga tggcaggttc ggggaggctg gtcctacggc     120
cctggattcg ggagctgatt ctggggtcag agacaccctc cagtccacga gccgggcagc     180
tgcttgaggt actacaggac gccgaggccg cggtcgcggg cccatcccac gcccctgata     240
cgtccgacgt cggggccacg ctgcttgtgt ctgacgggac ccacagtgtc cgatgcctgg     300
tgacgcggga ggccctggac acctcggact gggaggagaa ggagttcggc ttccgcggga     360
cagagggccg gctgctgctg ctgcaggact gcggggttca tgtccaggtc gctgagggcg     420
gcgcgcccgc agagttctat ctccaggtgg accgcttcag cctgctgccc acggagcagc     480
cccggctacg ggtgcctggt tgcaaccaag acttagatgt tcagaaaaag ctctatgact     540
gccttgagga gcacctttca gagtccacct cgtccaatgc aggcctatca ctgtcccagc     600
ttctggatga aatgcgggag gaccaggagc atcagggggc actcgtgtgc ctggctgaaa     660
gctgcctgac actggagggc ccttgcacag caccccctgt cacccactgg gctgcctcac     720
gatgcaaggc cacgagttca tgtcccacag ggagaagctg tgtacactgt ccccagctca     780
atgctgtgca tctctgagaa tgaccagcta attctgagct ctctaggccc ctgtcagagg     840
acacagggcc ctgagctgcc cccaccagac ccggctctgc aggacctatc tctgaccctc     900
atagcctctc ctccttcctc acccagttcc tcaggaaccc cggccttacc cggccacatg     960
tcatccgagg aaagtggtac cagcatcagc cttctgcctg ccctgtcctt ggctgctcca    1020
gacccagggc agagaagcag ctcccagccc tcaccagcca tctgctcagg cccctggcca    1080
ccctgacccc caggtcccca cacgccagcc gtaccccag ctccccactc cagagctgca    1140
```

272

```
ctcccagtct ctcacccgt agccatgtcc ccagtccaca ccaggctctt gtgaccaggc    1200
cccagaaacc tagcctggag ttcaaggagt ttgtagggtt gccctgcaag aatcggccgc    1260
cttttcccag daccggagct accaggggag cccaggagcc ctgctctgtc tgggaacccc    1320
caaagaggca tcgtgatggt tctgccttcc agtatgagta tgagccaccc tgcacgtccc    1380
tctgtgctcg ggtccaagct gtcaggcttc ctccccagct catggcctgg gccttgcact    1440
ttctgatgga tgcacagcca gggtctgagc caactccgat gtgagacgtc acgcaggaca    1500
gataccgctc cacactctgc ttcctttgag tttttaata aaataatctc atgcggcaaa    1560
aaaaaaaaa                                                           1569
```

<210> 443
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(662)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (153)...(657)
<223> similar to gi3660535 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 443
```
ccggtccgga attcccnnnn cacgatttcg ttgatccttg tgctaaatcc acggcagcat     60
cagacgttgc tgaatagctg gtgcgggagg ctgcagctgg ccatggggac tgcagcccct    120
gcctccgggg ctcactcctg ggcgggcaga cggtggctaa ggcagacagg cagttcttat    180
ggagcttcag gctgcccggg gaggcgcaga agattgatcg catgatggag gctttcgctt    240
ctcgctactg cctgtgcaac cccgggggtct tccagtccac aggtcagtgc agagcccaca    300
gcctggcccc ttgccaggca cagcctccag ctctggaggg ggcggcccct gtgggcacag    360
cccagcgtgt gttcctgggg acctgccttc cctgagcgag gacgacctgt ggggccgggc    420
acctcttgca ggcgggcccc cagcacgcgg ggtcccactg tccactggag gttctggctg    480
agcccagcac cccggactcg ttgcagacac gtgctacgtg ctgtcattcg ccatcatcat    540
gctcaacacc agcctccaca accacaacgt gcgtgacaag cccacggcag aacggttcat    600
cgccatgaac cgcggcatca acgagggcgg ggacctccct gaggagctgc tgagggtgag    660
c                                                                   661
```

<210> 444
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 444
ataggggatgg ctctgccagg gccagccctg ctggggaaag gggacaatga cggaccccag   60
ggccccccgg aaagcaaaca ggattggatg gataagccaa gaaggatgta ataaatgatg   120
cactatcatg aatccccgag cgctagaatc gttctttccg tgcgcccca tcctgtgccc   180
tctgtccagc gccaccttcc ccaagcacca aaccagcaag ttccattttg tgtcgctcat   240
aagtccacac tcacatccag ccacaggcct tcgtccgtaa ttccccacgc tccaccaagt   300
gtccacagct tccaagtaac aaagggaaag ctcctcatgg ataaaggggtg ggcgcagccc   360
tttcccccttc tcctgaaaac cctgaccca agctcaaggc agcaccgaga gcaattccca   420
gccaccagcg tcaccccccag cgccacagcc tgcctcccct agaggctcct ctctcttccg   480
acgcccatct ccttgtttac atccccagcc cggtttcccg ctgcccaggc ggggaccgcg   540
gcgcagctga ccgcggagga ccgcacacac ccactgaaca cacaaaaccc ggcgctcccg   600
gcgctccaga gatcggtccc caccgagcct cgcccctcct cggaaaaagg agccaacttt   660
gcccacctcc ccagccgcct acatgcacag ccggtcccct ccgagacacg aaa   713

<210> 445
<211> 949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(950)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (75)...(947)

<400> 445
gcacgttncc agnagggnat tccaagcttc ntctgcaaaa ctcctttccg ctgtgaactc   60
tggctcagac agtggctctg atgcagtctc tgggttccgg aaggccgtcc ctgggcattg   120
ggggtgtccg ctgtcccccc gctggcccac gcttagtgcc tgctcccact tctgcagagc   180
ttcctcaaac agctccatgc cttgcatgta caggctctct gcattgccgt cgctggtggt   240
cagagactcc tccatccctc tggcatccca tagtcccgag cacgcggctg tggggctgga   300
tgagttcact gccatcatcg aggccacact gtgggaggag ccccgagtgc ttgctgggct   360
caatggaaga gatgccactc agggtgtcgt tgctcttgct gctggggctc tggactctcc   420
ggctggagta tcctttcttc actgaaggga ccttcctggc caagaggata gggaggggca   480
ccgtgcccag ctgctcccct cccatctcgg gaccaacctg cttcttcctc ctccgtcgcc   540
tcttcagctg gtgggcagcc agggccaggg ccacagtccc caggccgtg gcaaagagga   600
ctttccgcag gcctggcgtc aaccgtagct gggagaatgc agactgccca aacgtcgtgt   660
acaggaacac ggggatctcg gccaccgtca tggccagggc ctggatcata gacgtgccct   720

```
cggccctccg gaacgccatg gcagggccaa tgccccaggc aaagtcctca gggccaagag    780
cttccaagga gaacgtcttc aactggttgc cagctgggtc ccaggcacca tccacgcccc    840
agaaggacag ggacacacat accagagggc ccctccacag agccgggatg ccatcgctgc    900
ggaagggcag cgtctccttc cccacgaaat cgtcgacccg agtttccgg                 949
```

```
        <210> 446
        <211> 990
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (153)...(695)
        <223> similar to gi3327230 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 446
caaaagaggg tggttcctca gccgcccctc acgtggcagc ctccacggag acttcctgga     60
tcttaatgtt ccttctccca ctcgtaagtc cacactgact ggggggagttc aaaagcagag    120
gtgcattcag cagggctggg tatgactaag gagactatca gggcaggagc agaggccaca    180
gcatcaacag cggtacatct gggcccttgg cattcctggc acacccctgc ccagaggcag    240
gagtccctga ccagccagct tcctccatag catgacctgt gccaaatgta accatggatt    300
ctgctggcgc tgcctcaagt cctggaagcc aaatcacaaa gactattaca actgctctgc    360
catggtaagc aaggcagctc gccaggagaa gcggtttcag gactataatg agaggtgcac    420
tttccatcac caggcgcggg agtttgctgt gaacttgcgg aaccgggtgt ctgccatcca    480
tgaagtgccc ccgcccagat ccttcacctt cctcaatgat gcctgccagg gactggagca    540
ggctcggaag gtgctggcct acgcctgcgt gtacagcttc tacagccagg acgcagagta    600
catggatgtg gtggagcagc agacagagaa cctggagctg cacaccaatg ccctgcagat    660
cctcctgggt gagccacccc tgccagccag gccctcctcc tgcctcctcc cctctgttgc    720
acagcccggc ccctcccaga caggtcaagc ggcacccta ccttccctct ctcctcttcc    780
tcttcattct tcatggcctt ctcactgcct ggctgttaaa gctcaggtcg aaagcctaca    840
ttgtaaggtg cccaagggcg cagatgttcg tggatgattc ttggatcctg ggctttaccc    900
tgctccccta gggagcttca tgagaatgtc tagagctgca cctggtgctt ggtagacgtt    960
ccataggtga ttgttggagg aaggaatgga                                      990
```

```
        <210> 447
        <211> 1145
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (61)...(455)
        <223> similar to gi3413391 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

<400> 447
tgaccttcta gcaggttccc ccagggaggg gaggccacca gctgactcac cgcctaggaa   60
ggcccaggtg ctgacctagt ggcggagaaa aaacagccgc acaccgagtg tggcttccag   120
agcccctctt cagctccagg cagcccctc taacatgtcc cctcctgagc tcagcccca   180
cccccatact cctggtgggg actaggtctt gcttggcttc ggggctgacc gccggtcccc   240
tttcttctca ccacagtgcc cattttttcat ccagggagaa cctcggggct gggacacctc   300
ctggccctca ccctgggtca tgtttacagt cctcagtgcc ccacaccggt ggcccctga   360
ggacacctcc accctgacct tgattttccc aaacgctgcc tcttggtgac agactcagcc   420
caaaacccct tccttctgtc tctggagacc cttgagcttg gggaaatatg gaggggtggg   480
tgtctgcaat caaggcctct gcagctcacg gctggcccgg tgggctggga cttccgtctg   540
aatttaaat acttagggtt catttttttt tctctggcaa caaagcttga tgttttcact   600
gctttagttt cctgtttgct ggtgggaggg gatacggtct gtgactctgg acttgctctg   660
ggggaacagt tgtcactgcc cccggggaga ggggcagctt gggctggaga agcacagcca   720
gagacagagc ccctcgagag ggatccttgg ctgcttcatt gtcttccccc cagcaagccc   780
tgctctccac aggcacctct ggggtcttgg tatggtcccc gctcacctcc ttccagagtc   840
ctgagtggtg tgggtgtggg tggcacagga tctggggcat gggaggggtt cagagcttcc   900
cagagccccg tgtcctggca gactcagctg gtgggctggg gtgttaaccc cagtcctggc   960
gtaggtttac agactctcaa ggtacgttgg ccctggtctc ctgggagaga ggggtgaggg   1020
atgtcccta ccaaagcaca aggtgggatc aggctgcctc ctgggtcggg tgtcggggga   1080
gctgtccggc agcctggcag ggagatgcaa gggctaaagt aaaattttgt caagtaaaaa   1140
aaaaa   1145

<210> 448
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(585)
<223> similar to gi3599336 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 448
agagtgtgtt ctccaaccac aattgactca aatacttgta agctaaataa cagacttcta   60
aataatctgc ggttcaaaga ggaagtctgt agggaaattt aaaaacatac acagacctaa   120
atgaaaatgc agcatatcag aatttgtggg ataaagctaa acagtgcaat acagattatc   180
tgtagcacca gtgcgtacat tggaaaacag gaaaagcttt cctcaagtcg ataatctaag   240
ctctaatctc aagaaccaag agaaacaaaa ccaaaggaag cagaaggaag gacatttgaa   300
gagcagaaat caatgacatt gaaaacagaa atcaaacaat agagaaaatt aatgaaaact   360
agctggtttt ttgaaaaatt aataaaactg gcaatctcta gcaaggctga caaaaagaat   420
gtaaattatc aatatcagga atgaaatggg atgtcaccac agaccctgca gatatcaaaa   480
ggaatactgc aaacaattct ataagtttga cagcttacac aaaatggatt aatttcttgc   540
aaaacacaaa gtaccacaac tcatccaatg tcaaatagat tttgagttgc cctat   595

```
<210> 449
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(404)
<223> similar to gi3599339 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 449
cctaagatca ggaataaaat aaagacttcc actcctgcca tttctattct agctggggca     60
attatataag ataatgaaat aaaactcatg tagattgaaa aggaagttgt aaaactattt    120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttcta aggaacacac acacactcat    180
acacaactat tagggctaat aaacgagttc agcagagctt cagggtaaaa gataaatgta    240
caaaaattgt ttctatacac caacaatgta caatcaaaga atgaaattaa ggaaacaagt    300
ttatgtacaa aagcatcaaa aagaatagga tacttaggaa tacatttaac aaaagaagtg    360
taagacttgt acactgaaag aacaaaacat tattgaaaga aat                       403


<210> 450
<211> 1436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1202)
<223> similar to gi4378889 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 450
tctgatgatg ggaggatttg gaggtgctag tatacagaaa gcgcagtctc tgattgattt     60
aggatctagt agctcaactt cctcgactgc ttcactctca gggaactcac ccaagactgg    120
gacctcagag tgggcagttc ctcagcctac aagattaaaa tatcggcaaa aatttaatac    180
tcttgacaaa agtatgagtg gatatctctc aggttttcaa gctagaaatg cccttcttca    240
gtcaaatctt tctcaaactc agctggctac tatttggact ctggctgacg ttgatggtga    300
tggacagcta aaagcagaag agtttattct tgcaatgcac cttactgaca tggccaaagc    360
tggacagcca ttaccactga cttttacctcc tgagcttgtt cctccatctt tcagaggagg    420
aaagcaaatt gattccatta atggaactct ggccttcata tcagaaaatg caagaagagg    480
```

277

```
agcctcagaa gaaattacca gttacttttg aggacaaacg gaaagccaac tatgagcgag    540
ggaacatgga gctggaaaag cgacgccaag ccttgatgga gcagcaacaa agggaggcag    600
aacgtaaagc ccagaaagaa aaggaagagt gggaacgaaa acagagagaa ttacaagaac    660
aagaatggaa gaaacaactt gaattagaaa aacgcttaga gaagcaacgg gaattggaga    720
gacaacgaga ggaagaaagg agaaaagaca tagaaagacg agaggcagca aaacaggaac    780
ttgaacgaca acgtcgctta gaatgggaga gaattcggcg acaggagctt ctcaatcaaa    840
agaatagaga acaagaagaa attgtcaggt taaactctaa aaagaagaat cttcatcttg    900
agttggaagc actgaatggc aaacatcagc agatctcagg cagacttcag gatgtccgac    960
tcaaaaagca aactcaaaag actgagctgg aagttctgga taagcagtgt gacttggaaa   1020
ttatggaaat caagcaactt caacaggaac ttcaggaata tcagaataag cttatctatc   1080
tggtacctga gaagcaatta ttaaatgaaa gaattaaaaa catgcagttc agtaacacac   1140
ctggtaagtc tctaaggttt gtctgattac ttttatcctt ttctgaatga ctgtatcagt   1200
cacattgtta cttttttaaa attaaaaaaa gtattctgtt ataaataaca cttttttgcct   1260
gtaagtttaa agtttcaaaa taaagtgaaa aatatcccag atgttagagc attttttagtg   1320
ataaaaagta gataaaaata aaatagtaat gattgtggta tgacttcata tcttgatgat   1380
attttttatgt atataattga aacatcaaat aaagtgttag actataagat ataaag       1436
```

```
        <400> 451
agtgccctgc gcaaggaaca ggactcattt ctgagaagga tggacgcagc cccaacaaat     60
cagacaagga ccacatccgg tggcccatga gtggcgctca tgatcttcag caggcggcac    120
caggccctgg cggggcgcac cagggtcacc ccaaccagga taaccggacc gtcagccaga    180
tgctgagcga gcggtggtac accctggggc ccaatgagat gcagaaatac cacgacctgg    240
ccttccaggt gaaggtggcc cacttgcaac aaggaccgaa agaagtccag ctcagaggcc    300
aagcccacaa gccaggggct agcaggagtg taacaagggc tcgtgggagc ggagcatata    360
agagacgggc actgccactg cccctggggt gtcctctgaa ctccagtcag ttgcagccca    420
aacacttcag agctcggata ccaaggagca gcttctgtgg ggcagaatgg ctgcacacag    480
tcagggaacc tggcttagcc tggcccaagc cttctcccac agtggggtac acagcctgga    540
cggcagggaa atagaccgtc aggcactacg ggaaccgaca caggtggtgt ctggcactgc    600
atcatactct ggcccaaagc cttctactca gtatggagct ccaggccact ttgcagcccc    660
tggtgaggga ggtgaccagt gggcagccct gctgctgccc acctgagctg ctcattccca    720
gcacatggcc agtgaggaca tagcaagtga cgaggagcac acggtcatcc atgaggagga    780
gggggtgatg atgtcattgc tgatgatggc tttagcacca ctgacaccga tctcaagttc    840
aaggagtggg tgaccgactg agagtgggga caactctggg gaggagccag agggcaacaa    900
gggctttggt gggaaggtat ttgcacctgt cattccttcc tcctttactc ctgccgcccc    960
ttgctggatc ctgagccccc agggtccccc gatccacctg cagctttttgg caaagtctat   1020
ggtcccacct tgtcctccac gaaa                                            1044
```

<210> 452
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (314)...(1039)
<223> similar to gi3165522 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 452
acgaggagtt tgaaaagttg gcggaggact gtaagcggag catggacatt ctgaagcaag   60
ccttcgtccg gggtctcccc acgcccaccg cccgctttga gcaaaggacc ttcagcgtca   120
tcaagatctt ccctgacctc agcagcaacg acatgctcct cttcatcgtg aagggcatca   180
acttgcccac accccaggga ctgtcccctg gcgatctgga tgtctttgtt cggtttgact   240
tcccctatcc caacgtggaa gaagctcaga aagacaagac cagtgtgatc aagaacacag   300
actcccctga gttcaaggag cagttcaaac tctgcatcaa ccgcagccac cgtggcttcc   360
gaagggccat ccagaccaag ggcatcaagt tcgaagtggt tcacaagggg gggctgttca   420
agactgaccg ggtgctgggg acagcccagc tgaagctgga tgcactggag atagcatgtg   480
aggtccggga gatccttgag gtcctggatg gtcgccggcc cacaggggg cgactggagg   540
taatggtccg gattcgggag ccactgacag cccagcagtt ggagatgacg acagagaggt   600
ggctggtcat tgaccctgtg ccggcagctg tgcccacaca ggttgctggg cccaaaggga   660
aggcccctcc tgtgcctgcc cctgcaaggg agtcagggaa cagatcagcc cggcccctgc   720
atagcctcag tgtgctggcg tttgaccaag agcgtctgga gcggaagatc ctggccctca   780
ggcaggcgcg gcggccggtg cccccagaag tggcccagca gtaccaggac atcatgcaac   840
gcagccagtg gcagagggca cagctggagc aggggggtgt gggcatccga cgggaatacg   900
cagcccagct ggagcggcag ctgcagttct acacggaggc tgcccggcgc ctgggcaccg   960
atggcagcag ggatgctgca aaggaggcgc tctataggcg gaatctggta gagagtgagc   1020
tgcagcggct ccgcaggtga ggagcc   1046

<210> 453
<211> 1413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(1412)
<223> similar to gi2914017 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 453
cgcaggactc ctttacatgt gtccatcatg gccgggaatg aatatgtgtt cagtcagctg   60
ctgcagtgca aacagtacgt agggagacac gcacaagtga gaaggcggtt gtgagggggg   120

279

```
attgtgagtg aaaaatcatt ctttttaaac atctttagtg ttgcatatat taagaagtta    180
aagtgagcta aaaaaaaaat gtgtcattga aaaagggtaa agagaaagaa ccaggttgtt    240
gtcagtatag agtgtctcaa aaagattgta tgtgctgttg acactgcttc tgcttttcag    300
actagattta gaactcaaag accacgaggg cagcacggct ctgtggctgg cagtgcagca    360
tatcacagtg tcttctgacc agtctgtgaa cccccttcgaa gatgtccccg tggtaaatgg   420
gacttcattt gatgagaaca gctttgcagc cagactcatc cagcgcggca gccacacaga    480
cgcacctgac acggcgacag gaaactgttt actacagcgg gcagctggag caggaaacga    540
ggcagcagct ctttcctgg caaccaacgg tgcccatgtc aaccacagaa acaagtgggg    600
agaaacccg ttgcacacag cgtgtcggca tggcctggcc aacctcacag cagagctcct    660
gcagcaaggc gccaacccaa acctgcagac ggaggaagct ctgcctctgc caaaggaggc    720
cgcatccctg accagcttgg cggacagcgt ccatctgcag acgccactgc acatggcgat    780
cgcctataac catccggatg tggtgtctgt catcctggag cagaaagcca atgctcttca    840
tgccaccaac aacttgcaga tcattccgga cttcagcctc aaagattccc gagaccagac    900
tgtgctgggc ctggcattat ggactggcat gcacacgatc gcagcccagc tgctgggctc    960
tggagccgcc atcaatgaca ccatgtcgga tgggcagacg ctactgcaca tggccataca   1020
gcggcaggac agcaagagcg cactcttcct gctggagcac caggcagata taaatgtcag   1080
caggactcag gacgggaga cagccctcca gctggccatc agaaaccagc ttccactcgt   1140
agttgatgcc atatgcaccc gaggagctga catgtctgtg ccagatgaga aggggaaccc   1200
cccgctgtgg cttgcattgg caaacaatct ggaggacatc gcatccactc tggtcagaca   1260
tggctgtgat gccacatgct ggggtccggg acctggtggg tgccttcaga cgctcttgca   1320
cagagccatt gatgaaaaca acgagcccac cgcctgcttt cttattcgca gtggctgtga   1380
tgtgaacagt cccagacaac caggcagtgt att                                1413
```

    <400> 454
```
tcgacccacg cgtccgggct ggattaatgg agcatatttc cttcccctcc caatgtccag     60
gtggagtcct ttgaaagact gatacaggca ggacgtctca tgccccagga ccaagtcaag    120
ggcttccagc ggctgaaggc tgcccacgcg gccctagagg aggagtacct gaaggcttgt    180
cgggagcaac accctgccca gccgcttgcc ggctccaagg ggacgcctgg aagatttgat    240
cctcgcaggg agctggaggc agagatatac cgtctgggaa gctgcctgga agagctgaag    300
gaacacatag accagaccca gcaagagcct gagccgcccg ggtcagactc agctctggac    360
agcaccccag ccctgccctg cctccatcag ccaacgcacc tgcctgctcc ttctggacaa    420
gcccccatgc cagccatcaa gacctcctgc cctgagcctg ctaccaccac tgccgccgcc    480
agcactggcc cctgcccatt gcacgtaaat gtggaggtga gctctggcaa cagtgaggtg    540
gaggacaggc cacaggaccc cctggcccga ctcaggcaca aggagctgca gatggaacaa    600
gtttaccatg gcctcatgga gcggtacctc agtgtgaagt ctctcccaga agccatgaga    660
atggaggagg aggaagaagg agaggaggag gaggaggaag agggggagg tgactccctg     720
gaagttgatg gggtggctgc aactccaggg aaagcagagg ccaccaggt cctcccaagg    780
cagtgcccgg tgcaggctga gaaaagtcat ggggctcccc tggagtaagt cactgagcct    840
ttcctgcaga atgtttggtt ccaccctaaa accacaggga tgatcactgt cagagtgaat    900
```

```
<210> 455
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (199)...(573)
<223> similar to gi4185567 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 455
cccaaacaaa gatggcgcgg gaagcgtctg tgagggcaga ctgatccgag cacccaaacc      60
ctcggcggac agcggagcca gtggtagccg cacggcccta aaaccatgga ggagggcggc     120
agcactggca gtgctggcag tgacagcagc accagcggga gtggcggggc gcagcaaagg     180
gagctggagc gcatggctga ggtcttggtc accggggaac agctacggct caggctgcac     240
gaagaaaagg ttattaaaga tagacgtcat catctcaaga cctacccaaa ctgttttgtc     300
gcaaaagaac tgattgactg gctgattgaa cacaaagagg cttctgacag agagacggca     360
attaaactca tgcagaaatt agcagaccgg ggcattattc accatgtgtg tgatgagcat     420
aaggaattca aggatgtcaa actcttctac cgctttagaa aggatgacgg caccttccca     480
ttggataatg aagtgaaggc ctttatgaga ggacagaggc tatatgaaaa gtatgttccg     540
catgaaatcc cccctgtaat cttgacttat agaaagaagc acaactgtgc cagtctcatt     600
atgttgattt cagcgggggct tttctatgtg ggctggttac ataactgttc ttttccatat     660
gagaaaacta tcaagcattt gctgtctctt tgccagaaaa taagtcaatt tcataagggt     720
tttaaa                                                                726
```

```
<210> 456
<211> 1042
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1043)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (80)...(1029)
<223> similar to gi1196433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 456

```
tattgggggа aaaccсctgg nactcccncc cggaaaccta ttgggganctg gatcaacaat    60
ttccggtaaa ggttggcggg gatacaaatc caacatacca aaaatccagg taggcatttc   120
ctatatgccc aacagaaaac aatcctggaa aaagaaatca ggaaaggaat tcccatttcc   180
caattgccca caaataaaat aaagtaccct caaaattaac ttaacccaaa gaagagaagg   240
atttctacaa tgaaaactat aaaccactga tgaaagaaat tgaagagggc accaaaaaat   300
ggaaagaaat tccatgttca tacattagaa aaattaatat tgttaaaatg ttcacactac   360
ctaaagcaat ctacagactc aatgcaatcc ctatcaaaat accaataaca ttcttcactg   420
aaatagaaaa aaaaatgctg aaatttatat ggaaccacaa aagacccagc gtagccaaag   480
ttatcctgag caagagaaca aaactggaag aatcacatta cctgacttta aattatacca   540
cagagctata gaaacaaaaa cagcatggta gtggcataaa aacagacaca tagatagtgg   600
gacagaataa agaactcaga gctaaatcca tatagctaca gtgaactcat tttcgacaaa   660
agtgccaaga acacacattg gagaaaggac agtctcttca aaaaaatgat gctagaaaac   720
tggatattca tatgcagaag aatgaaccta gaccсctatc tctcaccata ttaaaaaaat   780
caaatcaaaa tggattaaag acttaaactt aagacctcaa actatgaaac tactaagaga   840
aaacattggg gaaacactcc agcacactgg antaagtgaa gatttcttga ttaacacttc   900
acacagcaca agtaaccaaa gcaaaaatgg acaaacggga tcatatcaag taaaaagctt   960
ccacacagaa aagaagataa ttaacaaagt gaagagacaa cccatggaat gggagaaaat  1020
atttgcaaac tcccggacgc gt                                          1042
```

<210> 457
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(962)
<223> similar to gi2047300 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 457

```
gcctcaccaa gcaggaagac tgctgcggta gcatcggcac tgcctggggc cagagcaagt    60
gccacaagtg tccccagctg cagtacacag gagtgcagaa gccagggcct gtacgtgggg   120
aagtgggcgc tgactgtccc cagggctaca agaggcttaa cagcacccac tgccaggaca   180
tcaacgagtg cgcaatgccg ggcgtgtgtc gccatggtga ctgcctcaac aaccctggct   240
cctatcgctg tgtctgccca cctggccata gtttaggccc ctcccgtaca cagtgcattg   300
cagacaaacc ggaggagaag agcctgtgtt tccgcctggt gagccctgag caccagtgcc   360
agcacccact gaccacccgc ctgacccgcc agctctgctg ctgcagtgtc ggcaaggcct   420
ggggcgcgcg gtgtcagcgc tgcccaacag atggcaccgc tgcgttcaag gagatctgcc   480
cagctgggaa gggataccac attctcacct cccaccagac gctcaccatt cagggcgaga   540
gtgactttc ccttttcctg caccctgacg ggccacccaa gccccagcag cttccggaga   600
gccctagcca ggctccacca cctgaggaca cagaggaaga gagagggtg accacggact   660
caccggtgag tgaggagagg tcagtgcagc agagccaccc aactgccacc acgactcctg   720
cccggcccta ccccgagctg atctcccgtc cctcgccccc gaccatgcgc tggttcctgc   780
cggacttgcc tccttcccgc agcgccgtag agatcgctcc cactcaggtc acagagactg   840
atgagtgccg actgaaccag aacatctgtg ccacggaga gtgcgtgccg ggccccctg   900
actactcctg ccactgcaac cccggctacc ggtcacatcc ccagcaccgc tactgcgtg   959
```

```
<210> 458
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(516)
<223> similar to gi4868120 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 458
ccgggtcgac ccacgcgtcc gcccacgcgt ccgcccttgc gtccgctttc gcgtccgggg      60
atctgagggg tgagggtggg ccccctcctc acgccttctt cactgccccc ctcagagtgc     120
acaatacgag tttgttcctg cctccactct cccacccgt tctggcctcc ctgtctcaag       180
atactgagcc tctcacctcc cagccctcag ccaccccat ccctgcccct tctgagactc       240
acagcacccc tttccttcct ctcctcccac ctcctccctc agcccctcat tctccttggg     300
aatctgcaga gggctctggg actcactgcc ggatgtgaaa tccaggcgtc agctgtttcc     360
taggcaaggg caggaaagtg gtctccagcc cttgctccac tcatgcctgg gggcctgggg     420
ctgagtggta tccctacctg gcctccccct ggcctctggg cctccagcgc tgggtttgtc     480
gagtgagaga gagagaggag cttgggttgc ttccctgtcc ccgcccctc tgtggcattg      540
tccctcccac tcttattttt ctaccaattg ctatttttcc gaacaatcct tgtagagtat     600
gtaccatcca aaggcaggag ggcctcgccg tggccggctc tggttggaga tggtacagtt     660
ttattgtaca ggtgctaaaa caacaacaac aaaaaagaaa atggaaaaaa aaaagattaa     720
aaaaaaaggg aaaaaaaaaa agccagttgg gggaggggac aatctgtttt ttaaaggctc     780
ctgagccatg cgggagcatt ggtggttatt ttctttgtat tgtgtttgtt ctttgttcct     840
gggggggaag ttatcggccc ccttctgtag gactgctccc caccccacc atactgccca      900
gttggttttg aacagttgtt ttcccttttt aagaaaaaaa aatacacata tataccccca     960
cataactata                                                            970



<210> 459
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(411)
<223> similar to gi1196432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 459
aaaaaccctg cagtaggcac caaacctaac aatgagacat taaaagcctt ctctttacta      60
```

283

```
tcagaaacaa ggcaaagagg cccaatgttc tcacatctat tcaaagttac attacaggtc     120
tcagccagta agctaaggaa agtaaaacaa attaaaaata aaaggtttgg aaaagtaaaa     180
ataaaactct gattattttc ttatgatatg actacaatga catccagaaa taatatataa     240
acaagttatc aaaattaata aaagtataag actaaaagtg attaaataca gaaaatcctt     300
ttgatatatt tttctactta ttgctgatgt atagaaatga atacttgaaa gaacaaaaag     360
taatacgata cctagaaata catctaacac aatacatata ggatttca                 408
```

```
<400> 460
atatgattaa aaacaaaagc aaatactcat atatcagtgg ctgaagaagg aaatgataaa      60
tggctctctc ttgatttgga gcaggtgggt agatgaattt caaaaatata cctctttgga     120
ttctattttc tccttgaagt tagataccta aagtcaccat gtaatgtttt aactctcccc     180
ttactccaat tttgtttttag tttcatgaat ctttattgaa tatttgtgcc ctgctctaga     240
tagatgggaa ggttcaattt ttaataatta ggtaactagg aatgcccagc ttgttaaggg     300
aggtagacgt ttaacaatta ctaaccactt tggttaaata aagcagccaa agactagata     360
agatgtaaat gcaccaaaga gaaggaaatt acttattctc tctaggaagc tattaggaat     420
gctttcagag agtagggtaa gccagactct tcttcaagtt atttgaggag agtagtaact     480
tagaagtgaa attttgattt tgtgccatca ttaaatcttt gaataagagt tttctgaatg     540
actgacagag gttgatggaa tattttattt ttgaagaact tttattctaa aagttaggat     600
tagagaagtt tttgctgttt ctattcatta ttcctttttg catacaaaac cgtccttgtt     660
gggattattc ttgaagtata ttctttagaa tttcttttag agctggtttt gaaggtaaat     720
accatcagtg tctctagaaa aatctctctg gcgggaggga caatgatcgg gatataaacc     780
caggcgttcc aggggggcaac ggcaacccccc tttaggtccc ctgcctttgt atgggagctc     840
tgttttcact ctatttcact ctattaaatc ttgcaactgc g                        881
```

284

<400> 461

```
aattaagtgt agagaaaatg tatctcgaca caaaaaagaa ccgtgtatga caagctctta      60
gctaacatta ttctcaacag tgaaaagtgg aaagcttttc ctccatgttc agagacaaga     120
caaggatgac cagtctcacc acttctttc atcgttaaca gtggaattcc taggcagaac      180
aattagccaa gaaaagaaaa gcatcctact cagaaaaaag tgaaattatc tctaattgca     240
gacaacatga tcctgtatac agaaaaccct aaatattcca ccaaaaactg ttagaactga     300
tgcatgaatt cgataaggtt tcaggataca aaataatcta acaaagatca gaagtgtttc     360
tgtatacaaa taacaaacta cctgaagaaa tttttttaaa aatcccaagt atgatagcaa     420
cagaaattaa atacttaggt gtaaatttaa gcaaaaaatt aaaggtcctg tatatgaaaa     480
actataaaac cccaatgaac aaaaatttaa aaacacaagt aaatgaaaaa aaaattcatg     540
cttgtggatg ggatgaatta atattgtgaa aatgaacaaa at                       582
```

<210> 462
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(387)
<223> similar to gi1334643 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 462

```
ttgttggggc tccaggctgg gctccgcctc acgctcccca ggtcggtcag ctccgagact      60
gtggctctcc gaggggggcag cacctggcct ggcacaggga ggttaatcct atgacgtcac    120
tgccaacctc cccaccccca tgcccatccc ttcgggttcg cgctgccccg agcggctcag     180
ctcccggggt tctgccttcg ctcccggccc tgcgtcctgt cccggctctg gttccctgct     240
gaggcctgcg cgcgacggg gacgcggaag ggaaggagga gggggtcctg cgtcagcctc      300
gagtcagggc ccc000gggaag gagagggtgt ctgtgccaga ggatggccct cgtccccggt  360
gccggctccc accccagcc ccgcagcatg ggggctctag tcacccttgc ggacgaaa        418
```

<210> 463
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (135)...(288)
<223> similar to gi1655699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 463
```
aaggggtgca aataaccaga tatcagaagg aatttctgta aaacgatttc tggaaagatc      60
tgcttgggtg gtgtccgtca ggtcgtagcc gctgcccggg aagtctcgga gtttccgacc     120
actgaggctc aggatgccgg agctgcccgc ctcttccagg gcccggtcca ggctcctcac     180
ggtgtgctga ggctgcaggc tccccgggtt ccacggcggc ccgttgggga acggctgacc     240
gaaaagagtc ggtaccggga tgggaaccac cagggtcccg ccgccgccgc cgcctccccc     300
tccagccccg ccacctcccc ctccagccgt gccacagcca ccgctacttc cacctccacc     360
acaaccgccg cccccactgt taccgcctcc tccctgactc gccgccatgt tcctgggaga     420
gagaatagcc cccgacacga aa                                              442
```

<210> 464
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(885)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (884)...(250)
<223> similar to gi5457357 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 464
```
atctttgtct ccttctcttc tctccccaca atccttgatg agttgttctc agacactgct      60
tggcaaatct gaaccctagt cagtcttata agggctcctg tcctccttgg aaggctttgt     120
tattgataca tgccaatgag aaaaaaacac attaacgagt agctgatgga tactaaggga     180
gtattttact gaaaaaaata gaaaactaca tttttacacg aaataaactt atgtctgcaa     240
tactcagcct taaattcacc cctcacttca gaagaggtcc caggggcagg aataacacgc     300
acagattgtt tgttcacgac ttccagccgg tccaccagac ctctggccag gtaatactgt     360
acaaagtgct tccacgtgat ttctcttcca ggatctcgaa aatagaggta gaaaaatccc     420
atgggcaacg cctgaccccc aaaagggcca gactgcggga aatcctcgtc atcccagggg     480
aagtcccccc ttctggcatc cgcctccacc aggcaacgtt atcctgcttc cctcctctcc     540
tgcctccgtc tcctccagac tcagcattct ctagttcacc agtctctttg ggtggttttg     600
aacacagcca ccaggaaaat aacgtcggtc ttgcctgcag agtcagcttc tgaacgtgga     660
tcccctggaa gcactggaac aggaggccag atgagctttc ctagcttctt cttgaaatgc     720
aacaacgnac atnctcaact tgggcaataa ccaacttgtc ggggccttgg cccagggncc     780
cctccggggt ttggtnttgg gccgnncccc tgccggcctc cttngggcca accaaaaaat     840
cgggccnaaa aggnaaaggc caaggggggc ctgggccaaa cccc                      884
```

286

<210> 465
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(450)
<223> similar to gi3875538 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 465
```
acatttcgtg tgcgtttgaa ggttggcggg gcggcgtttg gttttcccgg atatgtgggt      60
gtgcgcctcc cgggtggggc gggcggggag gggaggagga ggaaggggga ggttactggt     120
ggtggcggcg gcggcggcgg cccgggctcc ggctgtcggg gaagctgctg agctgtgatg     180
gtgatgacga ggtgaaaatg gcggatcttt cgaaatacaa tcccggcccc tgacatacca     240
gaggcggcgg cgacggcgac gtcgccaccc cggctccctt ctcggtcccc gggtaccctg     300
gagcgctcca gtttggacaa actgggaaag gaagctgctg gccagagcta tcgtgcacgg     360
gcaaaacaag ccccgccggg gctcgggatt gcccaggacc ttccggagcc cctacctcgg     420
agcccgaggg aggagaaagc ggcagccgct ggagtgcctg atcaactttc tagcgggaga     480
acgatcatgg aggtggtgcc agctgaggtg aatagtttgc ttccagagga aataatggac     540
actggtataa ctttagtgga tgatgatagt attgaggctg ttattgtttc atccccc       597
```

<210> 466
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(417)
<223> similar to gi903758 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 466
```
cggtggcatt cgccttccac ctcctggatg tggcagataa cgcccttcag acactagagg      60
aaacagcttt cccttctcca gacaaactgg tcaccttgag gctgtctggc taccccctaa     120
cctgtgactg ccgcctcctc tggctgctcc ggctccgccg ccacctggac tttggcatgt     180
ccccccctgc ctgtgctggc ccccatcatg tccagggggaa gagcctgaag gagttttcag     240
acatcctgcc tccagggcac ttcacctgca aaccagccct gatccgaaag tcggggcctc     300
gatgggtcat tgcagaggag ggcgggcatg cggttttctc ctgctctgga gatggagacc     360
cagcccccac tgtctcctgg atgaggcctc atggggcttg gctgggcagg gctggacgaa     420
a                                                                    421
```

287

<210> 467
<211> 1834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1316)...(1723)
<223> similar to gi577019 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 467
cctactctga tgccattatc ttgagatgtc ttagatatga ataaaaagtc attccactca   60
ttatgagaac tgtctttaga agaaaattat actgaattat accataggaa tatctctagg   120
ttttgaaaat catataccca gagatgattc cataaataag gaatcaggca aaaaaccaaa   180
ggaattcatt ggtgagagga gagtgttagg gatctcattc ccctgcaact actggctgac   240
cccaaccctg cattgcaaaa cacttggccc cctctgacct caaaaagcat ttggtgcttc   300
ctcattaagc tctatttatt gtctttacta ttcacccatc tgcctcagtc tgggccaaat   360
ctattgccca atcttcaatt ggttgcgact tttttgtctc ttcccgattc tggcattcca   420
gagggtcaat aggttccttc tccacgtgct tttgagggaa atgcccccc ccaaaaaact   480
tttcacacca ccttgaacag actctaaact taggcactac agttactaag cagcctttgg   540
attctttgtt tttgaagtta gatcttttca gctattagtg gaaaatgtgc ctcactctac   600
tccaggatta ccaatagaaa tgaaaggaca gaaatggcat tagtgtttag agaagattat   660
gtatatatgg ctgtgtgaac actgaaaatt atgagggtca acataaaatc agcattacag   720
gtactaaaac ataaatcctg atggctttca ccgttttctt aagagcaaaa ttgcaaaaag   780
tgatattaac agtcatccta gacgaatatg agcaaatgat ttgttttttcc ttaaaagagc   840
ctccaagtgt attgtgatca ttttcacact gatcaaagag agcacccttc tgtcaacagg   900
tatctgcagt tttcaggacc tggcagaaat tcttctatgt tctgccttta aaggtcaggt   960
acaaaagcag agacagctgc caggccctc tgcccagagc taagtgtctg ggaccatgag 1020
tgggaaggac aggcttgagc ctccttggtc ctccagacag catggggcgc tacttgcccc 1080
ttctgcagct gcgcgcggca aagctgtggc ctggccgtgg cctcctgccc catgcaacag 1140
ttggtggaca gaccgtacct ggcacacggc gccttgtgca ctttccaaca ttttgatgct 1200
aaccgtcgct agtcactgag ccctgacatt tgatctctgg ccttgaccgc agatttcgga 1260
aacttctggc agcccagtgt ctactggaag gcccaagccg cttgccagaa agctgcgccc 1320
cgcccaaaag cactgggttc tgcagtccag gggccttcct cagctcccag gtccaggaga 1380
actgcaacgg tcacctactt ccacaggaag cactgggtcc gcatccggcc cctccgcacc 1440
actcctccca gctgggacta cacccgcatc tgcatccaga gagagatggt ccccgcccgc 1500
atccgcgtcc tgagagagat ggtccccgag gcctggaggt gctttcccaa caggctgccg 1560
ctgctgagca acatcaggcc tgatttctcc aaggctcccc tggcctacgt gaagcggtgg 1620
ctttggaccg cccgccaccc ccacagcctg tccgcagcct ggtgaccgtg aaaatcgccc 1680
cgccagagag cagaggaagc ccgacgccca ggccatctgc cttcaggtct gtgatgagaa 1740
acggagtggc ctgttccgtt gtgcccaggt ctaggccgct gagcagagcc ctcactccca 1800
ggcagagttg tctgaatcct tcctggcggc cgct   1834

<210> 468
<211> 909
<212> DNA
<213> Homo sapiens

288

<220>
<221> misc_feature
<222> (7)...(885)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 468
ctaattgaca tttacagtat acttcattca acagagtaca tattcttctc aagctcacag   60
gaaacatcca ccaagataga ctacatactt ggccttaaga tacaccttac aaatttcaaa   120
gaatacaaac catataaagt gtgctctcag aggaaattaa acaaaatcaa aaacagaaac   180
gtagatggga aatctcaaaa taactggaga ttaaacaaaa cacttctaga taccagatgg   240
gtcaaagaag aagtctgaac agaaatttta aaatgttttg aactaaataa aaatgaaaat   300
acaatgtatc aaaatttata ggaagcagtg aaagtagtgg ttggagataa attataatat   360
tgaatgccta tattagaaga gattaaaaag atttaaaatt cataatctaa gtttccatct   420
taggaaacta gagaagaaag atcagtgtaa gcctaaagca agcaaaagga tagaaataaa   480
aattatagta gaaatcaata aaatagaaaa caagaaacca atagaaaaat tcagtgaagt   540
aaaaatgtgc taatttgtgc agcagcaata gaaaaaagaa ataaaaacag tactttcaca   600
ggtcagtaaa atgtataaac ctctagctaa gctaactaag aaaaaaaaac acagattgct   660
gataacagaa atgagaaagg ggtcatcact actgatccca aggacattaa aaagataaca   720
aaagaatatt atgagcaact ctgtacccac agatttgaca gcttaggtga aacagatcaa   780
tttcttgaaa gacacaaaca accaaaactc acacagggaa aagagatgat ctgaataggc   840
ctatatctat tatggaaatt gataaattat ggaagtcaat aaacaacctt gcaaacaaga   900
aaaaaaaaa   909

<210> 469
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (161)...(449)
<223> similar to gi5734709 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 469
agcccactgc taaatctgtt ttctgacaga tgggttttgg ggagtcgcct gctggcacta   60
acatggagga aaggggactc ccattggccc ttcccttttc tcctaacagt ccctttggtc   120
tggtctgtcc tgggctgtct gtgtgtgtgc cattctctgg acttcagagc cccctgagcc   180
agtcctccct tcccagcctc cctttgggcc tccctaactc cacctaggct gccagggacc   240
ggagtcagct ggttcaaggc catcgggagc tctgcctcca agtctaccct tcccttcccg   300
gactccctcc tgtcccctcc tttcctccct ccttccttcc actctccttc cttttgcttc   360
cctgcccttt cccctcctc aggttcttcc ctccttctca ctggtttttc caccttcctc   420
cttcccttct tccctggctc ctaggctgtg atatatattt ttgtattatc tctttcttct   480
tcttgtggtg atcatcttga attactgtgg gatgtaagtt tcaaaatttt caaataaagc   540
ctttgcaaga taaaaaaaaa aaaa   564

289

```
<210> 470
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(583)
<223> similar to gil326298 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 470
ccccagcatt agaaaacatg gcacccaccc gtttccaccc acctagagca gccctcggg     60
ctcctgtagg ccactgtata gcgcatagcc aatgtcgtca atctcctcct cacgcaagct    120
gctgaagagg ttcacgctgg ggttgaagtg gcagggcagg ctggcctgct ccaggctgcc    180
gatgagcagc tccagggctt gcaggaagcg ctcacccaag gcctcctccg tccaatccac    240
gttgtcctcc cccagacgca ggaccacctg ggtcaggtga ccccggccta gctgccccag    300
agccgagcaa ccacggcaga cagcacacag cagcagcagc agccgccggc gagtcccagc    360
gtcatggtcg tccagggctc gcagcctagc agcctccact ggatacaggt cctgcagcca    420
gaggttcccc gccagcccct ccaggggcca ggccaagagg aggcggtcgt cagcatcgac    480
cccagggact gccacaagca cagccacagt gagctccagg cgttcgtgct gcacctcgag    540
cagcagctcc tccgaggcca tgctgggccg gatcaggcac ccgagaaggc tgcccggacg    600
cgtggg                                                               606




<210> 471
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(369)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 471
aagagccaca gtggatccag gccctgatgc ctgagaagga gccagctagg cagagccggg     60
gaggagcact ccagacagac agcaatgaac catccaaaaa tgaagtgaag aagacaatct    120
catttataat attggcaaaa agaacatacc tagaaataaa tgcaacaaaa gatgcataaa    180
acttgtgtac tgaaaaatac aaaatatttt tgaaaggaat caaagagtat cgaattaaat    240
ggaaagatat cctgcagtca tggatcagga gacataatgt taagatggcc aaactcccga    300
attcatctat agcttcacaa tctctatcaa aatcccatct gtcttttac aagctgatcc    360
tcaaattcat aaggaaatac aagggtttca gaat                                394
```

290

<210> 472
<211> 1102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (203)...(1067)
<223> similar to gi2981221 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 472
acctttgtca gaaaagatca gggagattaa aacaagaagt gctatgtatc aaaaacacga   60
attgttagaa aacaagccat gtggttaata aaaacaaaga cctaggtaca aacccacaga   120
ggctttataa acaacgtacg gggaaaaagc aaaacaaggt gtggttatta caacaccggt   180
ttgatttaca aaaggaagc ttcaattacc aaacgggcgg gtagttaaaa caagcccttg   240
gggtaacccc caccactgcg gcgctcattc tccaggtaca actccagcaa cagcaggtcc   300
acagaggcac catcccccac cacacgcacc gctcgggcct ggggaacccg ggccagggac   360
accaaggtcc cctccaggcc cagattctgg gcctgctcct ccaggacacg gacatctgcc   420
tcagaaaggg gcttgggcaa ctggaccaga gcccggtctg gccggggggct ggccaaggca   480
cagcaaggct gtactgggag ccccgaggcc cgcagcaagg cctggacatg ctgctccaag   540
cgctggggcg tggtgccagg gggcagtcct tggagcagca ggcgtgcagg ggctcgtggt   600
ggagctggcc gcaggctcag ctgggcacca tgtagttcgt gatctgcctg ggccaagacc   660
ctctcggcgt ctgcaggctc tctgaaggtg aggacgcccc cacagcccag tctctgccag   720
ctcaacacag gtccccctcc agagcgtcgg cggttttcaa agtagagagt gagcagctcg   780
tcgggcacgg caggggggcag tccacggacc tccactgcca ccccctgcctc tgcctccgcc   840
attgcaacca ttccccgtgg ccgctaggca gcctcaggcc atgagctcag ccaggactcc   900
tgtgcctgcc cctcagcaag cctaaccccc actggcaggc accggcagcc gatccaggcc   960
cgatccccc accccggagc caggggccgt tgggccctgt tgttgggctc gcggggggtgg   1020
gggggctcgg gcctttgttg gtcacagatg gcccggggat ttcctgggaa tagaaatagc   1080
cgccggcacg aaatcgtcga ct   1102

<210> 473
<211> 1946
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1906)...(0)
<223> similar to gi3242649 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 473

```
tttttttttt ttgagatata aaaatctgta tttatattac aatgacataa ggacacagca      60
cggcccacac ggtggacagg tggccggggg ccccttttcc cctctagcgc acgcccccct     120
caccggcacc taggcccctc gtgtggcccc ccgacttctg gcacggaacc tgccctagtg     180
cccaacatgg acctggggcc accctgctgg ccgagggtca gggtcctctg tgcaggcagt     240
ggggaggggg tcccaggttc cctgacagag ggaggcaggg cacggggggg cctgcctcac     300
ccagcggaca gcacgggccg gggcagacag agcagggacc ctaggccac agaccggtac      360
agggttcctc cacccgggga cacaggccca agccccgttg ccactaagat ggggtctgca     420
gaggcaaagc cttgctgcag cctctcccac tctgcgagga tggcggggt ctgctatgtg      480
gtttgcaggg gttatcctgg tatgcgggag ctgccttcca ataaggctgg ggaacccaag     540
cctgagtctg ggtgctcagt ggccgagagc actggtgtgg gctgggaggg cacacgcaga     600
ggctcaggag cccggggctc tgttctgctt ctgtctgctc tctatagaca cggtgatggc     660
ctcttggtcc ctgcagcctc cagtgatggc agcctgggcc cctgacaggg agcagtggga     720
ggttggagca tgtggtgact cctagcacgg gcccccaccc agtgggcaac ccctcaccca     780
cctgctgatg gcagggaggg gcagctgaac agcacccgg gtggctgaga ctgcctccca      840
gtccacgtgg gaaccacggc ctcaagagcc acaggctgag ctgccgggag ggtgggctga     900
ggggccacca ctggtcaccg ggtggattct gctggtcaga gatgagagca gaagccccta     960
gctgcctcag gcactggagg gtgggcagg gagctggtgc ttcaagaatt gagggcaggg     1020
acacgaccac ctcagggccc tgcagtgctg gctggggaag caagctttta cacacggccc     1080
gccttgctcg gaggtgccac ggtgtttgaa atgaagcctg gggggacaga ctcaggcagg     1140
caggggaagc tcctttctgg gcacccctgg accccagtgg ggccggaagg agatgcagac     1200
aggcctcctc acaaccaccc gcaacgcgtt cggatgcccc tcagctccag gcaccatgcc     1260
ccctacagcc tgcagggcag gttctgtgcc agagttgttt ccagggaccc ccttccgcca     1320
cagtgggccc cccatcctgg ggcgtctatg cgtacgactg aaaatagaca cgaatttttcc    1380
ccatgatatg ggaattggct acagatgtac cagaggcacg gcaggcactg ctatgggcca     1440
gccccaagga cagaggacgt caggaaggaa aggcgggtgc aagcctcctg gtgccaggcc     1500
tgcaccaccc agcgagcaca gtcttcattg gctgccagtg tctgaaacct ggaaccctcg     1560
cctaggccag gaagcagggg gctcgagtca ggtgacaggt gagaatccat ctctctagtg     1620
agcaagcagg cccctgccag ccactgggga gggcaacact ggggaccagg tcatagcccc     1680
tccgtgccac ccacaggggc ctggctgcat cgcctccagg aagccctggc tgccgggagg     1740
ggctgcccac aggagatggg aggacagcac tagctgggca ggcctggggc accctgagcc     1800
acgagggaca tgctggtggg aagggcaagg cctgacacaa gacacaaggc acactttgac     1860
gacgtgacgg agggacaggt ccctgagacg cctgggtggc tcccaccccct cagcaaacaa    1920
ggacgcaaca acagctagga aaatag                                          1946
```

<210> 474
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (117)...(839)
<223> similar to gi2388986 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 474

```
tccccagaga tagccctggg atccaggtga ttcgagatgg gctataggaa ccaaggcctc      60
ccccagcgtg aaattaccag gtgtgagcgg cgccacccca ctgtggggag gcgggtccca     120
```

```
cgggcactgg gcacctggct gtgcctcatt cctgagtctc ccacagcctc acaccacagc      180
aagagacaag gcggccctga ttcacagccc agctctgccc tgtgccaacg cagagccctg      240
ggcgcaggac ggggccactc tgtgccttag cttcctcagc catgaagtag gatagacggg      300
gacccggtgc cctcctacag gcacagtggg gagggaacac accatcgggg cgcaggacgc      360
gaacgctcca agcctgtctg tcccggctgt tcccactgca cgccagagag ccagaggcct      420
tggggccagg tcactgccca gctcagagcc cagggagccc cgagcagtgg ccctgcacct      480
cctgccactt ctgggtgatt ctagaggagt cccccttaccc agggcccctc tggcctctcc      540
ccaaggggca caaaacggcc cccgagaaag ctcccagact caagcctatg actcttcaca      600
gcctcctgag acactggccc agtcccgggg ctccctgtgg tagggcccta catcccacga      660
gggtttggag gggactgaca atgggggtct ggctgcccag ccttgtgagg agctctcccc      720
atctgcccag cccgtggccc ccaagccgtc tctgccgaac tccatcagtg acccagttgg      780
agaaaggcca gcttgacaaa tgctctctgc gggacaagca ggatgagtgg gcgtttcta      839
```

<400> 475

```
ggacgaaggc gtctaccagt gcatggccga gaacgaggtt gggagcgccc atgccgtagt       60
ccagctgcgg acctccaggc caagcataac cccaaggcta tggcaggatg ctgagctggc      120
tactggcaca cctcctgtat caccctccaa actcggcaac cctgagcaga tgctgagggg      180
gcaaccggcg ctccccagac ccccaacgtc agtggggcct gcttccccac agtgtccagg      240
agagaagggg cagggggctc ccgccgaggc tcccatcatc ctcagctcgc cccgcacctc      300
caagacagac tcatatgaac tggtgtggcg gcctcggcat gagggcagtg gccgggcgcc      360
aatcctctac tatgtggtga aacaccgcaa ggtcacaaat tcctctgacg attggaccat      420
ctctggcatt ccagccaacc agcaccgcct gaccctcacc agacttgacc ccgggagctt      480
gtatgaagtg gagatggcag cttacaactg tgcgggagag ggccagacag ccatggtcac      540
cttccgaact ggacggcggc ccaaacccga gatcatggcc agcaaggagc agcagatcca      600
gagagacgac cctggagcca gtccccagag cagcagccag ccagaccacg gccgcctctc      660
ccccccagaa gctcccgaca ggcccaccat ctccacggcc tccgagacct cagtgtacgt      720
gacctggatt ccccgtggga atggtggggtt cccaatccag tccttccgtg tggagtacaa      780
gaagctaaag aaagtgggag actggattct ggccaccagc gccatccccc catcgcggct      840
gtccgtggag atcacgggcc tagagaaagg cacctcctac aagtttcgag tccgggctct      900
gaacatgctg ggggagagcg agcccagcgc cccctctcgg ccctacgtgg tgtcgggcta      960
cagcggtcgc gtgtacgaga ggcccgtggc aggtccttat atcaccttca cggatgcggt     1020
caatgagacc accatcatgc tcaagtggat gtacatccca gcaagtaaca acaacacccc     1080
aatccatggc ttttatatct attatcgacc cacagacagt gacaatgata gtgactacaa     1140
gaaggatatg gtggaagggg acaagtactg gcactccatc agccacctgc agccagagac     1200
ctcctacgac attaagatgc agtgcttcaa tgaaggaggg gagagcgagt tcagcaacgt     1260
gatgatctgt gagaccaaag ctcggaagtc ttctggccag cctggtcgac tgccaccccc     1320
aactctggcc ccaccacagc cgcccttcc tgaaaccata gagcggccgg tgggcactgg     1380
ggccatggtg gctcgctcca gcgacctgcc ctatctgatt gtcggggtcg tcctgggctc     1440
catcgttctc atcatcgtca ccttcatccc cttctgcttg tggagggcct ggtctaagca     1500
```

```
aaaacataca  acagacctgg  gttttcctcg  aagtgccctt  ccaccctcct  gcccgtatac    1560
tatggtgcca  ttgggaggac  tcccaggcca  ccaggccagt  ggacagccct  acctcagtgg    1620
catcagtgga  cgggcctgtg  ctaatgggat  ccacatgaat  aggggctgcc  cctcggctgc    1680
agtgggctac  ccgggcatga  agccccagca  gcactgccca  ggcgagcttc  agcagcagag    1740
tgacaccagc  agcctgctga  ggcagaccca  tcttggcaat  ggatatgacc  cccaaagtca    1800
ccagatcacg  aggggtccca  agtctagccc  ggacgagggc  tctttcttat  acacactgcc    1860
cgacgactcc  actcaccagc  tgctgcagcc  ccatcacgac  tgctgccaac  gccaggagca    1920
gcctgctgct  gtgggccagt  caggggtgag  gagagccccc  gacagtcctg  tcctggaagc    1980
agtgtgggac  cctccatttc  actcagggcc  cccatgctgc  ttgggccttg  tgccagttga    2040
agaggtggac  agtcctgact  cctgccaagt  gagtggagga  gactggtgtc  cccagcaccc    2100
cgtaggggcc  tacgtaggac  aggaacctgg  aatgcagctc  tccccggggc  cactggtgcg    2160
tgtgtctttt  gaaacaccac  ctctcacaat  ttaggcagaa  gctgatatcc  cagaaagact    2220
atatattgtt  tttttttta  aaaaaaaaa                                          2249
```

```
            <210>  476
            <211>  1346
            <212>  DNA
            <213>  Homo sapiens

            <220>
            <221>  misc_feature
            <222>  (1335)...(302)
            <223>  similar to gi2340084 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters


            <400>  476
tttttttttt  ttttaatgga  taactgaaat  gtatggtttt  catttataaa  gtataagtta    60
tctttaataa  cacacatgta  caataaataa  ttcatatatg  aaaattctca  tcagatagct    120
tcatgctttg  atcagtggaa  gaagccacag  caccagggaa  atcagaaggc  aatcttagta    180
aatcttctac  ctcttcttgc  agggcttctg  ctttttcatg  caacaggcat  ctttgctgat    240
gaaacaattt  gcttggcttg  gcgatcttga  taaatgatca  attgtcctta  cgaggcactt    300
caggatttgc  attagctaag  tgcattagac  ttttgtaacc  tgcactggta  taactgtttt    360
tggctcggac  cctctaaaac  tccagtaact  tccatgagag  ggattaattc  tgcctttaca    420
cagtaagtca  gcttcttggt  aagttctacc  aaaagggctc  tgtaaaccca  aaactcctca    480
agctcctcac  agaaatgtaa  cacacaagat  gagaatgagg  cagttccagt  gagaagattt    540
tgtatatatc  ctcgaggcat  attaaatttt  tcagatacag  tccaaatgtt  ggtctctttg    600
agcaaggtat  aaagaacaaa  agacagatat  agcctgttga  caacgttctt  gtccaccttc    660
tttccgatgg  cttggcctga  tgctttcttc  ccaataaagc  tttcagagac  tccaagaatg    720
gcagctacat  tttgttctgc  tggactgagt  tggctaaact  gcctgaagta  tatcatccaa    780
tcagggttac  actgtgaaac  cagatcatag  ggggttgtta  ggtagattag  atgaagaagg    840
ctttcaagca  caagtccttc  aagacctttc  ttcaagtctc  tgtacagaat  gtcacaataa    900
gctaaatcta  tagttccctt  aaatgaagca  cgtcccaact  ttgtaatatg  aaaattatat    960
tggacctctt  cttcagactt  ataaatagtg  tcttttgta   ggagtccttt  ttctgtcagg    1020
tatctaagtg  attcaacagt  tatttcccag  agactttttt  ctttcaataa  aacctttgc     1080
tgaacaccaa  aaaatgtacc  attcatgaaa  tgatagatgt  catcaagatt  cgttgcaatc    1140
ttcaaaccaa  tcaaagagag  aaataatgtt  tggattccct  tggtgaattc  ctgaacaaga    1200
tggctgtaac  agttttccaa  tggtttagtt  attaactcca  atacctgttg  tttgtctttt    1260
tcttgcaata  tgaggatact  ctccccaata  gtatctattc  cagcacgacc  agccctcgtg    1320
ccaagctggg  cgtaataatg  gtctca                                           1346
```

294

```
<210> 477
<211> 1603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (567)...(1603)
<223> similar to gi2388555 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 477
tgtcagcagc tatcaccaca aagacagccg ctctcagggt ttgccaagaa ctcaagagtg     60
tgccaggccg gagctgaggc ccctcctgtg ccccagggcc ctgtggccgg tcacacggct    120
cagctacaga tgcccgtggc aggcgccgaa agcaggcatc ggaacgaagg ccaagccgtc    180
ggagtctcac ctaaaattgc atcctggatg gccctctctg gatcgtcaag gtgaaccagc    240
aactctcggt acaggtactg gacactgctc tgatagtagg attttgcgtt ggcacccttg    300
acacactgca gccaggtgac caaggtggag gcggctgcca tcctcacatc gttggacacg    360
tcatctaggc gttttaagag ttcaggataa atcttgatga gtttctctgg atccgtcatg    420
ccgcccgagg tttttaagaa cgtgttgata atacggcatg agatcagtcg cgtcatcttc    480
gaatcctcct ccagggtggt caggacctgg ggcatcagtg tttcctgcac gtcccgtatc    540
tgctctgccg acaggacctc gctgctggtg agcgcccaga ggcaggacac ggcagccgtg    600
cggatggccg cggctgtcct ccccgcatgc cactgcagat tggggggccag gatgtccttt    660
gtcaccgtct cgaggtagct gggaaactgc ccctgggagt tgatggtgtc cgtggctctg    720
agcagcacgg tggacaggat ggagaacagc ttcaggcgca tctgcgggtc ttgggagggc    780
tgcagacagg ccctcagcgt gggcacgacg tgtggcaggg cttctcccag ggcagggcct    840
gactgtgcga cgatgacact gaactgcagg agctccggcg agtgtgcggt ccagtcaagg    900
tgcgacgcgg tcacccgctc caggagggga ccaatgtgct tgcggtagag gtcctggcag    960
ctgctgacac cctccaccat ggccagtgag tccatcgtct cctgtgcctt gtccctcagg   1020
ccggtagcac ctgcgagggc cactattgtc agcagcacgt ccaagagctg caggctggcc   1080
acgccacagt cctcatgaca cacagacacc agagcctgca cacacagcag caggcgctcc   1140
aggtagaggt cgttttcaga tgcctggcag atgtgggcct gtgccagctc tgtggcgatg   1200
gctgccaggt gcggctggag ggcttctcgg gggcaacccc gcatggcgga ggccagcacc   1260
aggaggccgg aggcagaggg cgtcttcttc agcgtcgata agatcagctt cagaaacacc   1320
tcagggctga caaacgtccc gacgagctct gcggatctgg tacaactttg gaccacggct   1380
gcctcctcgt cggtgcaggc ctggaacagg gtccggagga cgacctccag gtgctgcgtg   1440
gcgtggtcct cggcatgcag cagcagcact gggagcagct gtgccgactt cactcgggtc   1500
cccaccaccc agtcggtgat gtcgtggcac agggcaggga ggatctggag aggttcctga   1560
agacgagctc ccggcagccc gaattccacc acactgcact gtg                      1603


<210> 478
<211> 967
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> (952)...(31)
<223> similar to gi3873550 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 478
cggccgccct gggagcgagc ggaggagcaa gcgccggaga tgatgacttt gaccagtttg   60
ataagcctgg cgcggaacgg tcgtggagaa gaagagctgc tgatgaggac tgggacagtg   120
aacttgaaga tgatttactt ggagaagatt tgctatctgg caaaaagaat cagtcggatt   180
tgtcagatga agagctaaat gatgatcttt tgcagagtga taatgaagat gaagaaaatt   240
tcagttctca gggtgttaca attagtctga atgctacatc tggcatggtt acatcatttg   300
aactctctga caacactaac gaccaatctg gagaacagga atctgagtat gaacaagaac   360
aaggagagga tgaactggtt tatcacaaat ctgatggatc agaattgtat actcaagagt   420
acccagaaga aggacagtat gaaggccacg aagctgagtt gacagaagac caaatagaat   480
atgtggaaga gccagaggag gagcagcttt acactgatga agtgttagac atcgagatca   540
atgaaccttt agatgaattt acaggaggta tggaaacatt ggaacttcaa aaggacatcc   600
aaagaagaat cagatgaaga agaagaagat gatgaagaat ctggacgatt acgtttcaaa   660
actgaaagga aagaaggaac aattattagg ctctcagatg taactagaga gagaaggaac   720
attccagaaa ctttgggtaa cttttttgcc tgtctcccat cctcctttac tctcatttca   780
acttcctcca tagtattgct gtaattaatc aaagtaggca aagaaggttg actaggtaat   840
tgcggctgcc gtccggagag tggccggact ttggagtgag tgctgtttat ggtactgtaa   900
aactcattct ttaaaatcat tgctgtttat ggatttaaaa tgcttgaata aaatgtttaa   960
gataatt   967

<210> 479
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(743)
<223> similar to gi59968 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 479
aagctctggg tgagctccag gaggtgccgc cgcagcaggg cgctctgcac atctgacggc   60
cgcttcttct gcacgccctg caggggagag agggccaggc ccttgctgcg cttcacacca   120
caccaggctc cctgcgtccc cagcccctgc cccacaaacc atataccttg agcagccgtt   180
tgagcagcgc cttgtcgcgg tggaggtggg ccgtgtaagc ggtgtagagg cctggcggga   240
gggcacagct ggcgccccac ccttcaaggg cctccctccc acactcctgc agccccacag   300
aggagccagg gtgggggttt catctgcctg cagccccatg cccttggctg cacctgaaaa   360
tctcacccac ccaccccca gacaccgaga cccactgaag agaagagagc gaccctccc   420
caagggttct gagctctgct gctgagtcct ggaagaggat caggggtctg ggggcctggc   480
tgccccaccc gagagacccg ccaggtacaa gacaggcctc tccacggtgg aggggctcca   540
ggtcgagggg agcacagacc tggcttggtg tccagggtct tcaaccttga aggcttttc   600
agcttgactt gcttaggcag gtctcctacg agacacgccc ggtggccagg cctcagtgcc   660

```
cgcagctctg gccatcccca cgggctttga ggcggcccca cactcaacga ggcttttgag    720
cagcaccccc tgcacctcac cgggagcctg acctgacatc ttgggctccc cgactcggag    780
gcc                                                                  783
```


```
        <210> 480
        <211> 449
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(366)
        <223> similar to gi4079809 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```


```
        <400> 480
tcgcttctgg attgtgattg atgagaaagt gtatgatata aaggacttcc agacacagtc     60
gttaacagga aatagtattc ttgctcagtt tgcaggggaa aacccagtgg tagctttgga    120
agctgctttc gagtttgaag tcacccggga atccatgcac gcattttgtg ttggccaata    180
tttggagatt gatgatgaag tttatttttc cagcctgacc aagaagttgt caccatacca    240
gatccgggaa gtctctcttc acctctgata gacacagaga ggaatctggg cctgcttctc    300
ggattacaca cttcctattt agcaatgagc acaccgctgt ctcctgtcga gattgaatgt    360
gccagtaaga aaatctttgc tttttgctga ttagcagatt attttttttg aactgtaagt    420
gccattaaga gtgggagagg gccaggccg                                      449
```


```
        <210> 481
        <211> 1033
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (148)...(1033)
        <223> similar to gi3877563 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```


```
        <400> 481
tttttttttt ttactttgga acgtttttaa taagaaaagt tttaaacaat ttattttttgg    60
caaaaacagg tagggcaacc accaccccac agccctgaag tggaatagga agacttggaa    120
aagcacacga agagggcagg gacatgaggg tgtccatctt gtagcagctt ctgaggaaag    180
agctcagtcc caatggcaag tttcaagtcc acggggttga aacagccagg gatgccctcc     240
cagcccctg tggtgcctgg atccaggggc gtgaagctgt gcacgtgcct ccaacttgag    300
tccggccagg gggccccccc agcccgggcc acgcgccggg ctcagctcca tgggctaggg    360
```


                                 297

```
gccagggcgg gccaggggct ccggggaagg agggcggggg cccggggcat gctcggcttg    420
ggcgagagct gtcatcccgg ctacagaaca gctccaccag gcgggcgaaa gagtcggagg    480
acaggcggac cagcttgctg cgcagggcgg ggtccgaggc cagcttctgg ttaatgactt    540
ctgcctcctc ctccagcagg gccaccagcc tccgcagtat ggcttccttc tctgtcgatg    600
ggggaccctg taattctggg ctgggcggag atttcagctg ctcttggacc agctgttcca    660
gccgctgggc caccaaagca tagaagtctg gagtagctgg gccaggctct aaaccatagc    720
aggggcggat gggcagagag caaggccgag gggactcaga gggggctgct cctcgcccca    780
gggagcaggg aagacatctt cgaaggcggc tcaggaagtc tgttggctct tcttgggcag    840
ggcttctagg tggagttgga acaggagacc cggcagcctc accacgccta aggaaggcag    900
ctaggaccct cagcgtgtct tcccggagcc ccagctcttc agagcctgcc atggaggcac    960
ctggtccggg gccccaccgc cgcctcctcc actcaacttg cggtctcctc cactgaacga   1020
attccaccac acg                                                      1033
```


<210> 482
<211> 1054
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(834)
<223> similar to gi1209103 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 482
```
gtgcggtgga attccctggt gctctgggat ggtccttctc ttaggccctg aggggtgacc     60
tcggggccat tcccaggatg ggccttcctc actggtaccc cacccctctc ccgccaggca    120
tggccgcctt tgccaccgcc cacctcctct acgtctgggc cttcggcttc tctcccctgc    180
agcccggcct gctgctgctc atcatcctgg cccctggccc ctacctcagc cttgtgctcc    240
agcacctcga gccggatatg gtcctgccgg tggcagccta tgggctgatc ctgatggcca    300
tgctgtggcg cggcctggcc cagggcggga gtgccggctg gggcgcgctg ctcttcacgc    360
tctctgatgg cgtgctggcc tgggacacct tcgcccagcc cctgccccat gcccgcctgg    420
tgatcatgac cacctactat gctgcccagc tcctcatcac actgtcagcc ctcaggagcc    480
cggtgcccaa gactgactga ctaggagct tgaagggccg gtgttcaggc cctctcctcc    540
tgcaaggacc tgggcctccc agcccagccc agcctgagaa ataccctcag cagcgaagct    600
tcctgacgcc tgtctgcagg cgccgctgcc gccgtcgctt ctggctgaag acgtttgagg    660
acgatttgcg gaattccaag tccactactg ggttccagct gccttccccc ggttctgact    720
ccagatccct ggctcctcag ccaggcccac atggagccct cccagccacc agcctgcctc    780
catgttcact gtcggcccca cagcctgccc gcccctgct gctgctctga atccgtttc    840
cctgtgggtg tggaaccgta gatgttgctg ttaccgtagg agaggcctcg gggagggtca    900
tcattgtgat aaaccatcgc ggttaatgac agcagaaggt tctttgtcgc tccccatgga    960
ccaggcctgg tgcccagtgg gacctccat ggccctctgg tggggggccc cggggggata   1020
aagtgaggat tgtgcagaac tgaaaaaaaa aaaa                                1054
```


<210> 483
<211> 557
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (84)...(421)
<223> similar to gi804788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 483
```
acttggagaa tctgcaaaat agtagattac aaaggatcaa aagtcagtga ggttcaacaa     60
gaggtagggt gggataatga ccaaagacag agggaacact tccaggttca ttctgtgagg    120
tcagcaacac catgacctaa aagccagata aagaccctgc aagaaaaaca atacacaaaa    180
tacagatgaa aaggctggtg aatattgatg ggaaaatctt caacaaaatt ctagcaaacc    240
aactttcaca gcatgttaaa aggactgtac gccatgacca agttggagat agccctggaa    300
tgcatgtatc acccaaaaca ggaaaattaa tgtagtgcac cccattagca gaatgaagga    360
caaaacccac atgatcatct caactgatac agaaaaaaca ttggacaaga ttgaacacct    420
ttccnnnnnn nnnnnnnnaa aagggaccct ctttttgtgc cccacccgga agggcagggg    480
ggccgtttgg gttaatggaa attttggcct cccgtgaacc cggccggaat tcccaaattt    540
ataaatggaa aatccgg                                                   557
```


<210> 484
<211> 1040
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(1040)
<223> similar to gi30058 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 484
```
aacggcagag cctgactccc catctcccgt gctccagggc gaggagtcct cagagaggga     60
gagcctgcca gagtccttgg aactgagctc ccctaggtcc cccgagactg actgggggcg    120
gcctcctgga ggcgacaaag acctcgccag ccctcactta ggtcttgggt ctccgagggt    180
ctcccgggct tccagccctg agggtcgcca cctcccttcc ccacagctag gaaccaaggc    240
cccggtggcc cggccccgga tgagtgccca ggagcagctg gagcggatgc gcagaaacca    300
ggaatgtgga cggcccttcc ctcgcccgac ctccccccgg cttctcaccc tgggaaggac    360
actgtcccca gccagacgcc agcctgacgt ggagcaaagg cctgtcgtag gacactcggg    420
agcccagaaa tggctcagaa gctctgggtc ctggagtagt ccaaggaaca ccaccccctta    480
cttgccgact tccgaaggtc accgggagcg ggttctcagc ctctcccaag ccctggctac    540
```

```
tgaggcgtcg cagtggcaca gaatgatgac aggtggaaat ttggactccc agggagaccc      600
tcttcccggt gtgccgctgc ctccttcgga ccccacgcgc caggagaccc ctccccccag      660
atctcccccg gtggctaatt cgggttccac ggggttctct cgccgaggga gtgggcgtgg      720
aggaggtccc acccctggg ggcccgcgtg ggatgccggg atcgcccctc cggtcctgcc       780
acaagacgag ggggcatggc ctctgcgagt cactctgcta caatccagct tctaatccgc      840
ccaaaagcgg cagccaatcg gagcgcgagg acgtggtctg gaggtaccgc cggagatctg      900
ggaccactca gggcatcagg gggcgtggtc tggtccccat tgcgggcccg ggaggggaat      960
ggtttctatg gccaaaagtt tggttttctc aacactgtct aaatttggat taaaacttt     1020
gaactttaa aaaaaaaaaa                                                   1040
```

<210> 485
<211> 1145
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (247)...(813)
<223> similar to gi533088 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 485
```
cccacgcgtc cgctgctgca cagacaccag gacttagaaa agctgctggc agcccaggaa       60
gagaagtttg cccaaatgca aaagacagag atggaacagg agctcctgct gcagccacag      120
gagctgaagc ccgggagagc tggcagctcg ctgacatcct ttcagtggag gccctctgga      180
caccaggggc taggagcaca gctggctgag acgagggacc cccaggatgc aaagggtacc      240
cccaccatgg aggggtcttt ggagttcaag cagcacctgc tgcctggcgg gaggcagcct      300
agctcgagct cctgggacag ctgccgcggg accttgcagg gcagctctct gagcctgttc      360
ctggatgaga ggatggcagc ggagaaagta gcttccatag ccctccttga cctcacggga      420
gcccggtgtg agaggctgcg gggccgccac ggcaggaaac acacattctc cttaaggctg      480
accagtgggg cagagatcct gtttgcagca ccgtccgaag agcaagctga gagctggtgg      540
cgagccctgg gcagcactgc agcccagagt ctgagcccaa aactcaaagc caaacctgtc      600
agctctctga atgagtgcac gaccaaggat gcccggcctg gatgtctact caggtctgat      660
ccctgaggtg aaccccagtg caacaccaaa cttcaggggc acaagcgagg acacatctaa      720
gggaccagaa taagactcag ctacaggcaa aagggctcct tcccgtggct gcttcaaccc      780
agttccccag gcccagcttc tggaatagac agttccttct ggttagatgg gtcctaccat      840
gtggcaggaa acagccattg cctggcctcc ccctgcattc ctgtctgggt gaagaggaga      900
cgtgttacgg cagagcaggt gggcaaggcc agggctaccc caggcccatg tggcctcctc      960
cttgcttgga aggggtgact ctgagcacag gtagacgcag acgtgtgcag agaatgtgct     1020
cttcggagga agaacactga tgagcgagct ctgtaccagc ccttgtcatg tacagccaag     1080
agcctagaat gacatggccc ttctcagcag taataacaga tggtctcagc gcctcaaaaa     1140
aaaaa                                                                 1145
```

<210> 486
<211> 694
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(687)
<223> similar to gi2072948 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 486
tcgtaaaaac tcacttcacc tgtaaagacg cataaagact gaaagtgaag gaatagtaaa   60
atatatttca tgcaaatgaa aaacaaaaac aagcacgagt agctatagtt gtatcaggta   120
aaatagactt taagaatggt aaaaacaaca aacaacaacg aagatgatca ttatataatg   180
acaaagagat gaattcagca agaggatata ccagttctaa atatatatgc atatgcgtca   240
ctggtgcaca gagatatata aaggaaatat tatttgacct aaagggtgag atagactcca   300
acacaataat ggttggggac ctcaaccatt gtcagcatcg gacagatcat gtagacagaa   360
aataaacatt ggattgaaac tgcgctttag accaaattgg cctaacagac atttacagaa   420
cattttatct aacagctgga gaatgcacat tcttttatc agcacatgta acattctcca   480
ggatagacca tgtgttaggc cataaaacaa gtctcaacaa aattttaaaa atagaaatta   540
tatcaagtat cttcttagac cacaaaggaa aaaactagaa ttcaataaca agaacaactt   600
tggaagctgt acaaatacat ggaaagtaaa caaaatgctc atgaccaact attgggtcag   660
tgaagaaatt atgaaggaaa taaaaaaaaa aaaa   694

<210> 487
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(559)
<223> similar to gi600118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 487
cccagcccct ggaccagggt actgaccacc tctccgcccc cggccccggg gtcctgacca   60
cctctccgcc cccggccccg gggtcctgac cacctctccg tccccggccc cgggttcctg   120
accacctctc cgccccggc cccgggggtcc tgaccacctt tccgtcccca accccggggt   180
cctgaccacc tctctgcccc cggccccagg gtcctgcagg cagggctgga ggtggagcgg   240
ctccgactgc ggaatttcta tcaccactac cactccaaga ggggcatgtg gagcgtccgc   300
agcaggaagg gctctcgcac gggggcgtct tgaggacggg cagcccctcc cagccccggt   360
gggagtcccg aggcagctgc tgggggctgg gctttgagct cggtcccgag agacccggca   420
gggctggtca gaggggcaca gccaccgcct gtgcctgccc ctctctggcc cactgggcgt   480
cgtgcccctc cccggagagg cagccttcac ggcgggtcag ggcctggcct tggtccccac   540
tctgcgatga tttctgtgaa attttgctgt agcgatgaca ttgtttcag aatttccaag   600
agttctgtct gttctgtttt ttattcagaa tgaaatgaaa tatttttttt agttctgaaa   660
aaa   663

301

```
<210> 488
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(575)
<223> similar to gi4240247 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 488
cccgggtcga cccacgcgtc cgagtggaac acatgactgt ctacgagaaa gatttcatcc      60
caagcagttt ctattacaag aaaggagggg ttgtctctcc tttgacttta gtggctgacg     120
aaggctggtt cataactgag aatcgagaga tgcttccgtt ttggatgaac agcaccggca     180
ggcgggaagg ttggcagcgt ggatggcacg gctacgacaa cgagctcatg gacatgcggg     240
gcatcttcct ggccttcgga cctgatttca aatccaactt cagagctgct cctatcaggt     300
cggtggacgt ctacaatgtc atgtgcaatg tggtgggcat cacccccgctg cccaacaacg     360
gatcctggtc cagggtgatg tgcatgctga agggccgcgc cggcactgcc ccgcctgtct     420
ggcccagcca ctgtgccctg gcactgattc ttctcttcct gcttgcataa ctgatcatat     480
tgcttgtctc agaaaaaaac accatcagca aagtgggcct ccaaagccag atgattttca     540
ttttatgtgt gaataatagc ttcattaaca caatc                               575



      <210> 489
      <211> 1080
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(1081)
      <223> n = a,t,c or g

      <220>
      <221> misc_feature
      <222> (58)...(1080)
      <223> similar to gi200541 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



      <400> 489
aaggtcaggg gttttgtcag tttcattcac tgctgaatcc ccagggcctg actgcggccc      60
atgggaggtg cttaataaag gttaacaaat gaatgaaggg gacncctgga gcctggagag     120
aagtgagtcg ctcaaggtca tagccatcca gaatgaatga ctttcatctt agaacgaata     180
```

```
aagcaccgag tccacagctc cagcccaagg tccttctcac agccgtgcca ggtcctggac    240
ctcaacccca ggacagagcc aagggatacc ccaacctcag ggagtgcctg tcaggctctg    300
ccaggactgg agtgctcaca caaccaagtc aggggggccac atggaagagg agcaggaacg    360
gtggaagcca aagcagccat ggccaaggcc aggagccatc tcccctccca cccctccagc    420
tgcctgagtg caggcatgac agacagcggc tgggcccaga agcccgactc tctggggcca    480
ggggagaggc ctgcagttcc catcagaaga gcagaagacg cagagctgct gcgggttgcc    540
ccagcaccaa tgggagcttc cctatggccc atgcttcctt cctggtgttg gccccaaccc    600
agcagagagc atcctggcca agtccaggct ctgccacctt gcgccctctg gtggccacat    660
tggttagtgc cagaggggaa cccaggatct ccccagccc ctcccaggcg gttcctcttc    720
ccctaagcca gggtttcagc tgcacaagag atgatccaaa gggccggggg acatcagcag    780
cccttggact ggctgggccc accctgacca gcaaggtgag gctggtaatg acttcggggga   840
tgaccacatc agccccaaca ggtgagcact cactgtgagc cgggctcagg ctaggccact    900
ctatcaccat ccagccacaa tgaccgaaga gtagattaag gcccaggaaa gggatggcac    960
ccacccaaga tcacccagca cagaggtgat gctggatcgg cctgactcct cacctgtcct   1020
cccctctctg tccctccaat tgctcaacca tagatcagga agcctcctcc caggccagct   1080
```

```
        <400> 490
tttcgtgcct gcagcatgga gggtccccag cggggccctc cctggttaca cgccaaggcc     60
ctgccccacc ccgccccaga ctgaaccgag agcacacgga gatctgcgag atggactggt    120
cggacaaggt ggaggcctac aacctcgaca agacttgcgg gcgccaccac agccagagca    180
ccgaggtgca ggctcatccg gcactccacc acctttcaag agagggggc cccagctctg     240
ccccgtgctt gccctggctg tggtctcgcc tccctctgcc tgggggcccc agcggcactg    300
cttcccccag cctggcccag aggccctcgc ccccgagggc acttgggcaa ctgtctgccc    360
ctggcatgag aaagcgtgca agacctcctc aagtgcccag cgcgtgcaca gcctggttgc    420
ccgtagacag gacagggtgg gatgcggtca gccccaggtg ccggcaggat tgcatttcca    480
ccgaaggcca gcagagggag cacgaccacc gcccacttga gcatggcaaa ctcctggccc    540
cgcagcgcct ccaccccaga gacccggacc aagttcacac aggacaatct gtgccgtgcc    600
cagcgcaagc g                                                         611
```

<221> misc_feature
<222> (1518)...(760)
<223> similar to gi3047240 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 491
gcacactgca ctgcccatcc tgtatgcagg ccttgggccc aacctgagac cacctgatgc   60
atggacgccc atcccgtgct catcatctcc gccagaccct gcctggggtt ctgcagggta   120
cccacctgag ccccagttta cctgtgtcag cccaaccacg gccccagtcg acctccctgc   180
tggccctggg agacagctct ctttcttccc ctaatcctgc aagtgctcat ttgccctggc   240
actgtgctgc ctgtgccatg ctaaatgagc cttgggcagt gctctgtgtg gcctgtgatc   300
ggccccgagg ctgtaagggg ttggggttgg gaactgaggg tccccaagga actggaggcc   360
tagaacctga tcttgcacgg ggtcggtggg cctgccagag ctgtacctt gagaatgagg   420
cagctgctgt gctatgttcc atatgtgagc gacctcggct ggcccagcct cccagcttgg   480
tggtggattc ccgagatgct ggcatttgcc tgcaacccct tcagcagggg gatgctttgc   540
tggcctctgc ccaaagtcaa gtctggtact gtattcactg taccttctgc aactcgagcc   600
ctggctgggt gtgtgttatg tgcaaccgga ctagtagccc cattccagca caacatgccc   660
cccggcccta tgccagctct ttggaaaagg gacccccaa gcctgggccc ccacgacgcc   720
ttagtgcccc cctgcccagt tcctgtggag atcctgagaa gcagcgccaa gacaagatgc   780
gggaagaagg cctccagcta gtgagcatga tccgggaagg ggaagccgca ggtgcctgtc   840
cagaggagat cttctcggct ctgcagtact cgggcactga ggtgcctctg cagtggttgc   900
gctcagaact gccctacgtc ctggagatgg tggctgagct ggctggacag caggaccctg   960
ggctgggtgc cttttcctgt caggaggccc ggagagcctg gctggatcgt catggcaacc 1020
ttgatgaagc tgtggaggag tgtgtgagga ccaggcgaag gaaggtgcag gagctccagt 1080
ctctaggctt tgggcctgag gaggggtctc tccaggcatt gttccagcac ggaggtgatg 1140
tgtcacgggc cctgactgag ctacagcgcc aacgcctaga gcccttccgc cagcgcctct 1200
gggacagtgg ccctgagccc accccttcct gggatgggcc agacaagcag agcctggtca 1260
ggcggctttt ggcagtctac gcactcccca gctggggccg ggcagagctg cactgtcac   1320
tgctgcagga gacacccagg aactatgagt tggggggatgt ggtagaagct gtgaggcaca 1380
gccaggaccg ggccttcctg cgccgcttgc ttgcccagga gggtgccgtg tgtggctggg 1440
gcccttgccc aacaaaccgg atgcaggccc tgacttcctg ttgagtgcac catctgtcgt 1500
gactgcttcc gccaagactt gacag   1525

<210> 492
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(424)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 492
caaaacattg ctgaaagaaa tttttaaaga catcctgcat tcatagactg gaagacttga   60
tgttgttaac atgattatta ctacccaact taatctgctt gccccacgca attcttctca   120

```
aaatcccaat agaaatttct gcagaaatag aaaacccatc ctgaaactca catggactct    180
caaggaatcc tgaatagcca aaacaatttt gaaaaagaac aacaaagtta taggactcat    240
actttcaatt ttaaaactta ctacaaaggt atagtaatca aaacaggatg gcactggcat    300
aaggacagac atacagacca atgaaaaaaa ctcttactat atagtcaact gattttttgac   360
aagaatgaca agactactca atggggaaag gacaatcttt tcaaaagatg gtgctgggga    420
aac                                                                  423
```


```
        <210> 493
        <211> 650
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (254)...(78)
        <223> similar to gi1017722 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```


```
        <400> 493
caaatgtaat gagtgtggca aggtcttcac tcagaattca caccttgcaa gacatcggag     60
agttcatact ggaggtaaac cttaccagtg taatgaatgt ggcaaagcct ttagtcaaac    120
atcaaagctt gcaaggcatc agagagttca tactggagag aaaccatatg agtgtaatca    180
gtgtgggaaa gcctttagtg tccgttcaag cctaactacc catcaggcaa tccatactgg    240
aaaaaaacct tacaaatgca atgagtgtgg gaaggtcttc actcagaatt cacaccttgc    300
aagacatcgg ggaattcata ctggagagaa accttacaag tgtaatgagt gtggcaaagc    360
ctttagtcaa acttcaaaac ttgcaaggca tcagagaatt cataccggag agaaaccata    420
tgagtgtggg aaacccttta gtatctgttc aagcctaact acccatcaga caatccatac    480
tggtgggaaa ccttacaaat gtaacgtgtg gaaagttcta aagtcagagt tcaaaccttg    540
caagccatca cagaattcat agtggagaga aaccttacaa atgaaggtgg taacttttgc    600
agttagaatt cattcctttg acaacgtcag agaatttatg cctgagagat                650
```


```
        <210> 494
        <211> 725
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (134)...(93)
        <223> similar to gi4050087 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```


```
        <400> 494
```

```
cccacgcgtc cgcccagagt gcctgtcagg cggtggcact gtcatcgcat ttgataaagg      60
ccaaactgag tctgggagag aaggggctgg ggccacgcaa aatcagggca gggctggggc     120
caaaatgcct ggagagacag agtctgagag atacagagat ggccagagac agatggagag     180
agacagataa cagagagata cagagacagc cagagacaaa tggagagaga gacaaatgga     240
gaaagagagc cagagacata cagaaagaca gagacactag agtctgagag atacagacag     300
acacagagac agccagagac agatggagag agacagagac acaaagagag ccagagacac     360
agagagtctg agagatacag acagacacag agacggccag agacggagag agacagagac     420
agacagacag agacacagag agtctgagag atacagaaac agccatagac aggtgggggag     480
agagacatga acagagccag agacatacag agagacagag acacacagag agacagagac     540
acggagagtc tgagagatac agagagacac agagacagtc agagagagac agagaggccc     600
cagggcatcg tggctaaggt tgggctcccc tactccacag cctccaggag gggctgaggt     660
ctggaaacat gggcggggggt gggcccgcgg tgagaaaggt ggaagaatgt ctgcaactca     720
ggcgg                                                                725
```

```
          <210> 495
          <211> 512
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(513)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (75)...(496)
          <223> similar to gi575322 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters


          <400> 495
cggcccnaaa tgagacctat ggaagngcgg tggaaatcgc gcgccccgag cccccgcgcc      60
atgaagctcg ccgcccctcct ggggctctgc gtggccctgt cctgcagctc cgctgctgct     120
ttcttagtgg gctcggccaa gcctgtggcc cagcctgtcg ctgcgctgga gtcggcggcg     180
gaggccgggg ccgggaccct ggccaacccc ctcggcaccc tcaacccgct gaagctcctg     240
ctgagcagcc tgggcatccc cgtgaaccac ctcatagagg gctcccagaa gtgtgtggct     300
gagctgggtc cccaggccgt gggggccgtg aaggccctga aggccctgct ggggggccctg     360
acagtgtttg gctgagccga gactggagca tctacacctg aggacaagac gctgcccacc     420
cgcgagggct gaaaaccccg ccgcggggag gaccgtccat cccttcccc cggccCctct     480
caataaacgt ggttaagagc aaaaaaaaaa aa                                   512


          <210> 496
          <211> 802
          <212> DNA
          <213> Homo sapiens
```

<220>
<221> misc_feature
<222> (2)...(533)
<223> similar to gi1009337 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 496
cataggggaga agtgttcatt attggaagaa agttttgcca ttgttgaaga taataaaaaa   60
gaagaacagt attcctgaac ctattgatcc tctgtttaaa cattttcata gtgtagacat   120
tcaggtaaca gagttccttt atgaatttat tggagatggg aatttccagt ttataaacaa   180
agacatggag ctatacactg cttaaattaa ttgccttgtt atttaacggt aatcttgttt   240
tctaaattca ctagctctca cagataagat atgacagaga agagtaatga gatgtttgtc   300
tcttaagatc atataaaatc tttggaaaat catttgggtt ttatattctg agtataaaca   360
atttgactaa aaactattct gtgtgtttag gcatcagaaa ttgttgaata tgaagaagac   420
gcacacataa cttttgctat gttggatgca gtaaatggaa atatagaaga tgctgtgact   480
gcttttgaat ctataaaaag tgttgtttct tattggaatc ttgcactggt aagtagatgc   540
agtacttgag ctaaaagttg tatttatttta tttattattt tttttaaaag acggggtttc   600
tctgttggcc aggctagagt gcagtggcac aatcttggct cactgcaacc tctgcttccc   660
aggctcaagc gattcttgtg cctcagctcc cgagttgctg ggattacagg catgagccac   720
catgcgtggc caagctgaaa gtttttttgtt ttaaaaagct tatggattca tggaagccct   780
tattgattag attttcacag ga   802

<210> 497
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(452)
<223> similar to gi1469195 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 497
ccacatggta aatcttttttg gctttgtggg ccacataaag tctctgttgc atattctttg   60
ttttgttgct ttgtttcttc acaccttttta aaaatacaaa gccattctta gcctacttgc   120
aggctggatt tagttcattg gtttacttgt tgattcctgg tatagcacaa ggaatttaca   180
tgtttggaat tgttttttgtg tcttctggga taagggggaa gaggaagatt atatcttgtg   240
ttttgggcat gtcacactag aaatagttcc tttaaggtga tgatttttcc ctccaacaga   300
ttaatgctga actgttgttt cggccaactg ctctttcaac tccaagcttt tcttctccta   360
aggaaagtgt tccaagaaga catctttcag aaggaacaaa ttcttatgcg acaagacttc   420
taaataatca tcaagttccc acctcagtct ggaacctggg gagccaacag ggtcagtggc   480
taagattggt tttccatttg gggaatatta aacagagctt ttacttgaca cttctgtgac   540
agtgatgcca attcgggatc attgtaggtt ccattgtgga attgtaggtt ccatgaatgt   600
gaaaatcttc aggacaattg tt   622

307

<210> 498
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(307)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 498
tttttttttt ttgaaacgga gtctcactct ggtgcccagg ctggaggggg ccccattttg   60
gttcactgaa agctccgcct cccggtttaa tgccattctc gtccttcagc ctcctgaggg   120
gctgggatta caggcgcccg ccaccacccc tagctaattt ctttgtattt ttggtagaga   180
cggggtttca ctgtgttagc caggggtggg tctcaatctc ctgacctcat gatccttccg   240
ccttngcctt cccaaaagcg gtngggatta caaggngtga caaaccttcg ncccggccaa   300
tncactg   307

<210> 499
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(398)
<223> similar to gi2065210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 499
cactgtcgtg gtattccaca cagcattgcc tctgaacaag atacttactt tatggctaaa   60
gaagtgtggc agtgggctca tgctcatgga attcactggt cttaccatgt tccccatcat   120
cttgaagcag ctggattgat agaacagtgg aatggccttt tgatgtcaca attacaacac   180
caactaggtg acaatacttt gcagggctgg ggcaaagttc tccagaaggt tgtgtatgct   240
ctgaatcagt gttcaatata tggtactgtt tctcccatag ccaggattca tgggtccagg   300
aatcaagggg tagaagtgga agtggcacta cttaccgtaa cgcccaatga tccactagca   360
aatattagct tcctggtcct gtgacattac attctgatag g   401

308

<210> 500
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(372)
<223> similar to gi1780976 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 500
gtggttttgg cagtactgac agtgaaggaa aagcagccta ttgagtaaat caagcttcta   60
aacagacctg tgtgcacaat gattcaggga aaacagtttg aaggactggt agacacaggt   120
gctaatattt caattatagc tctaaatcag tggccaaaag cgtggccccg acaaaaggct   180
tctatgggct tgattggagt aggcacagca tctgaagtct atcaaagtgc tacaatttta   240
catcgtttaa gaccagatgg gcaggaagtc accatccaac ctatgattac tttcattccc   300
attaatttgt aggggagaga tttgttacag caatggggta cagaaatcac cattccctct   360
gcaatttaca g   371

<210> 501
<211> 1169
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (120)...(1169)
<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 501
cctgcttttt aattttctga aagagacagt acagacttgg tatcatttct accttaagta   60
tctcgaaaaa tgcacatcag tgaatccatt tggtcccggc actttttttg gaaggtttta   120
ttattattaa ttttattgag atggagtctc actctgtcac ccaggctgga gtacagtggc   180
acaatcttgg ctcactgcaa cctccacctc ccaggttcaa gtgattcttc tgcctcagcc   240
tcctgagtag cttggactat acacgcatgc caccacgccc ggctaacttt ttgtattttt   300
agccaccgcg cctggtcttg gaaagttatt aattactgct tcaatttatt taatagatat   360
atatgcctac tgagatctac ctttttatgag ctttgagaga atgcatcttg caaggaattg   420
atccatttta gctaagttat caaatttatg gacagagttg tccatatttc tttctaatcc   480
ttttggtgac cataggatca gctatgatgg cctctttcac ttttggtatt agcagtattt   540
gtcttctgtt ttttcttaat ctagctagag gtttatcaat tttacccacc ttttcaaaga   600
acagttttgg gttttattga ttttctcttt tcaatttcac tgattttttac tctaattttt   660

```
ttccaggtta ctttggattt aatttgctct tcttttttcta gttttccaaa gtggaagctt      720
agattacttg tgtaatctag ggtcaccaga ctgtaaaatc ttagattatt tgtatgatct      780
gatcatgtaa tgtagtgtac aatcttcaca ctgtcaataa aagccccatg ccagcttgat      840
tctggctctt ctccagcctc aaccctcctc ttcatattct caaaagtctc tgaaggccca      900
gatccctgtc tgggtacaat gagcaatgaa atgacagtcc aacagccctg ggcagcaact      960
gggctgtatg tgtgggcctc tttccagggc cctgtcttgg agagcagctg cttaaagaaa     1020
atttggacta tcacttacgc tgaaggctgg agtgttcaca tatgtacccc aggcagttca     1080
tggcatggga tgagccacag gtagtaagag aaagggagta acatggaggc aggcctagat     1140
cttcacacgt acaggataga tttttttttc                                     1169
```


        <210> 502
        <211> 383
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(385)
        <223> similar to gi2065210 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 502
```
ttgtgtcaaa ggagtgatgg ctataaatac gaatccacac tgatttgtgg tcagcagcag       60
atggtttgac tggaaattca gaaacttaga ataaggttgg gaaacttgtg gtaagatata      120
gaaaagagct atgtcaataa actattctca aaaaggacaa agtgtgaggg tatttgtgtc      180
ccatgtaaat gatgaccaat gtataatctc agcagaggag gctctcaata accaagtgga      240
caaaatgact cattatttta tcagccactg tttcccttgc tcagaacgct aatgaacaaa      300
gttcatatcc tactgtgaga gcagcaggaa tgaaggtcat gcatgtgctc agtgacacag      360
gcttccacct gtcaagaatg aca                                               383
```


        <210> 503
        <211> 565
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (16)...(565)
        <223> similar to gi18736 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 503
```
aaaaggcctt tgctcagcgc cacaagtcac cgtgactgaa agaagcattt cattccgtcc       60
```

```
agacagttac tgagcttccg ttctccaggc actgcacaag gtgccgagga caaggcaggg      120
gaacggcctg ggcagccttt ggattggagg agtggcccca aagcccacgt atcagttagg      180
cggcgcctgc gtctcccccca gagcccacgt atcagttagg cagcacctgt gtctcccccca      240
gagcccacat atcagttaga tgggcctgcg tctcccccag cgcccgcgta tcaatcaggc      300
agtgcctgcg tctcccccag atcctgtgta tcagttagac ggtgcctgca tctcccccgt      360
gcccacgtat cagttagacg gcgcctgctt ctcccccaga gcccacgtat cagttagacg      420
gcgcctgctt ctcccccaga gcccacgtat cagttagacg gcgcctgctt ctcccccaga      480
gcccacgtat cagttagacg gcgcctgctt ctcccccaga tcctgtgtat cagttagact      540
gcgcctgctt ctcccccagt gtatt                                           565
```

```
<400> 504
tttcgtgggc ggggcctggt cctgtgagcg ttcggagact gcgggcgcgc aaacctgtac       60
tgggcccgcg ccccggcccc ttacagagct gggtgtgtcc ctccgagtgc cccccgctag      120
ggactgtgca ggccggagct aggcagggac agcggggcga accgggctga tagagtcggt      180
ccctgctcct gtgaggctct caccgaatcc ctgctgtttc cgggcagctg aagagcgctg      240
ggccctcgcg tcgcgggcgt ggctgtggcc gtgtctcctg gtagtctgag cccactgtgc      300
gtgtggatcc acgtgggagc tgggttccag agcctggtcc tgaggaggag ccgagccggg      360
gcttccccctt ctcagaatcc tgctcttcct ccagagagat tcccaggaga agagggaaca      420
accaattcat tcctgaaagc caggcctcgg gacctgatga catttgaaga tgtggctgtg      480
gaattcagcc agtgggagtg ggggcagctg aaccctgctc agaaggacct ctacagggag      540
gtgatgctgg agaacttcag gaacttggcc attctgggcc tt                        582
```

<400> 505

```
tttcgtcaga  ccttggcttt  gggagctttg  agacggtttt  caaggacact  gggcttggaa    60
gagaagtgct  gcccctgac   tgcagctcca  cagaggcagg  aggggatggc  attcggaggc   120
cgccgagcgg  gctggagcat  cagcaaacag  gtttgtctga  aagtcaccag  gaccctgaga   180
agcatccaga  ggcagaaaag  gatgagatgg  agaagccggc  taagcggact  tgcaagcaga   240
aacctgtctc  caaagtggtg  gccaaagttc  aggacctgtc  ctcccaggta  caaagagtag   300
ttaaaacgca  ttctaagggt  aaggagacga  ttgccattcg  cccagcagcc  cacgctgagt   360
ttgtacccaa  agccgacttg  ctcaccctcc  cgggagctga  ggctggggct  catggctcca   420
ggcggcagga  caagga                                                      436
```

<210> 506
<211> 1101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (83)...(1002)
<223> similar to gi2462077 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 506

```
gcggccgctc  cctgccctgc  agctttgggc  tagggacctg  ccgcttgcgc  cggttcctac    60
gagcggcgcc  aagcgcccca  ctctcccagt  gtgggcagtg  gcaccagtct  ctgcagtaca   120
tgcgaacggc  tggtacgagg  ccctggccgc  gtcttcgccg  gtgcgggttg  cggaggaagt   180
actgctcggc  gtgcacgccg  ccacgggcct  gccctggtgg  ggcagcattc  tgctctccac   240
cgtggcctta  cggggtgctg  tcacgctgcc  tttggcagcc  taccagcact  acatcctggc   300
caagctaggt  ggaaaatttg  cagccagaaa  taaaaactat  tgccaggcat  cttaaccaag   360
aagttgcagt  tcgtgcaaat  cagttggggt  ggtccaaaag  agatgccagg  ctcacttatc   420
taaagaatat  gaggaggcta  atttcagagc  tatatgtgcg  agataactgc  caccctttca   480
aagccactgt  gttggtttgg  attcagcttc  caatgtggat  cttcatgtct  tttgctctcc   540
ggaatttaag  cacgggggca  gcacattcag  aaggtttttc  tgttcaggaa  cagttagcta   600
ctggtggaat  tctgtggttt  cctgacctca  ctgcacccga  ctccacttgg  attctgccta   660
tctctgttgg  cgtcatcaat  ttgttaatag  tggagatttg  tgctctacaa  aaaattggaa   720
tgtctcgttt  tcagacgtat  attacgtact  ttgtccgtgc  aatgtcggtg  ttgatgatac   780
caattgctgc  aacggtaccc  tcatcaattg  ttctctactg  gttatgctcc  agcttcgtgg   840
gcctttcaca  gaatttgctg  ctgcgttctc  ctggatttcg  ccaactttgc  cgaataccat   900
cgaccaagtc  agattcagaa  actccttata  aagacatatt  tgctgccttt  aataccaagt   960
tcatttcaag  aaaatgacat  attttccata  attttgaaac  agttgcagga  gtcactatca  1020
tctaaatgta  tttagactta  gaaattcaga  tgttacttga  tttcctttta  tttaaaatca  1080
ttaacttcat  gaaatacgaa  a                                              1101
```

<210> 507
<211> 495
<212> DNA

312

<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(469)
<223> similar to gi200547 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 507
ttcgccattc gtgcttgggc cagctccttg gagaggcggg cagcctccgt gttttgggcc   60
tccagcttgc gggcctgggc ttccagctca tctccaaggg cctcagcctt tctcctcaac   120
tgtgccacct cctccctgag ggcctcctgc tctgcgacac cactggccag gctctcccct   180
gggattgggc cttcccagac ctggacctca agagcccctt ctgacttctg ctgtggtttt   240
tgccaggctg ggtccctgac cgtcccttcc agcctctggt catgctctct ggcctctgct   300
tgtcccgtgg ccaggtccag gccctggttt gggccctcct gctcctccag ctgcacagag   360
ctgggctccg aaggccctgg cttgtgctca gggccctcct gtctcaaccc ccaggcctca   420
ggcaccaact cgccttgggg agcctaactt cccactgtct ctcctcccag caactgcgcg   480
gacgcgtggg tcgac   495

<210> 508
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (23)...(613)
<223> similar to gi349075 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 508
gacatctcaa gcttcgcacg agggtgacta tgagtttgac tctccatatt gggatgatat   60
ttcgcaggca gccaaagacc tggtcacaag gctgatggag gtggagcaag accagcggat   120
cactgcagaa gaggccatct cccatgagtg gatttctggc aatgctgctt ctgataagaa   180
catcaaggat ggtgtctgtg cccagattga aaagaacttt gccagggcca agtggaagaa   240
ggctgtccga gtgaccaccc tcatgaaacg gctccgggca ccagagcagt ccagcacggc   300
tgcagcccag tcggcctcag ccacagacac tgccaccccc ggggctgcag gtggggccac   360
agctgcagct gcgagtggag ctacctcagc ccctgagggt gatgctgctc gtgctgcaaa   420
gagtgataat gtggcccccc gcagaccgta gttgccaccc cagcacagat tggaagtgcc   480
accccagcca ctgatggcag tgtcacccca accaccgatg gaagcatcac tccagccact   540
gatgggagaa tcaccccagc cacccgatgt atgcggccgc tctgaggnat tcgcgctaat   600
gccgcaggct tcg   613

313

<210> 509
<211> 1337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(1179)
<223> similar to gi1418928 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 509
```
gcgtccgcct tcagcgcgcc cacctcgtca tccagcgcct gcacttggct ccggagccgc      60
gacgtggccg cccgcgcccg ctcgccctcc gctttgtgcg cgtccacggc cagcgacacg     120
gcgtccacgg cgttctgcag ggcctgcagg gaggagccgt ccagctgccg ccgctcgtcc     180
aggctcacct gggtctcctc cagggcacgc gtggcgtccc tctggccctc ccggatgacg     240
tccaggtcta aatagagctt ctggcaattg cagtccttca cgtacttgat gaggtcggca     300
tggccaccct gcaggtgctg cagcgtgagg ttgagctcca ggagctgccg ctccacctcc     360
tccttgttct cctccatgat cagagacttc tccatcagga tcacgcgcag ctcacggagc     420
gccgtgtggt tcacctgcag ctcctccacc tgccgctcca ccttgctaat ctgatcgaaa     480
gtctcgtccg attcggagta cagttccttg atctcatcca cgtgccgggt cagggtggcc     540
ctcatgtcct ccagggtgta ctgcaactcc tcctccctgc gggccgtggt catgtgcagc     600
tctgagaggt tcctctgcag ctggcccagc ctggcctgca ggctgtccgg ctcaggcctt     660
gccccagccc caggcgttgc caacaccaga ctgccattgg tccctggggc ctcctgagcc     720
ttgtgcagcc tcttcaattt ggtgtccaca tcggcttgga gctctgagat cgagcggtgc     780
agggtaaagt gctgggcgtg caggcggtcc tccacgtcct gtcgcagctg acccactctc     840
tgagtgttct cctggacctt ggcctcaaat ttggcaccaa gctcctggaa gtcagccctg     900
gccacggcac tgtcctggac tctggagatg gcctggcggt tggcctccac gtcaagagac     960
aggtttctta tggcctgggt aaggctgtgc aggctttggt taaagctcct ccagatgggg    1020
ctgaaatgca cttgtaggaa ggtgtccacg tggggtagca gcacctgctc caaggatcta    1080
tcagggaact ctgcaacaga catgtggtgt gacacaagcc ctgcaggagc agacactcct    1140
cccaggctgg gaccagcggg gtcctcccct cctcccctca atgtgaccag gctcttcctc    1200
agcccctaga gcctgccact caccgtgccc tgtttgattt gcttccatca ctgcagctgt    1260
gaggttacca ggcagggctt tccacaggcc tggcaggctg tctgccaccc ggtgcacatc    1320
attctggaga tctccca                                                   1337
```


<210> 510
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(394)
<223> similar to gi4755083 in the genepept database release 114,

314

Run with FASTXY 3.3t00, default parameters

        <400> 510
aatggcgggg cctgtgcaac tgcctgggtt tgtgaaatgg ctgctgacgt ttccgattcc   60
aatagggctg cctgcaaagg agacccaagg aacagagcca agttagatgc tgattaccta   120
ctttgagtcc tttattgtgg agtctgttca ttaccaatag agtactgtga atatatgcct   180
gatgttgcta aatgtagcca atgattagag aagaattttc caaatgaata tgcaaaactt   240
actgtggaaa attcacccaa acaagaagct ggaatctgtc aaggtcaagg aacagcaggg   300
gaagaagagg agaagaaaaa acagaagaga ggtggaaggg gtcaaataaa tcaaaaaaac   360
aaagacggta ccacaaaagg ttactatagc caaa   394

        <210> 511
        <211> 562
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (502)...(304)
        <223> similar to gi212752 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 511
tttttttttt ttagagtcta tccattcctg ttttgtagtc agttcttgac catcaccagc   60
tgcaagccag gagccccgtg ggtcaccgcc aggcacctgc tgtctgccac gaaacagggg   120
ctgcaggtct cttgctcaga ctgttgtgtg ggcagggccc aggtcgatgg ggtcagaggg   180
tccttggagg ttattttcat gcaggggtct tcagaggtgt gcatgcttca gaatcatgga   240
ggagcatgtt caaatgccca ccagcatcta agaacagctg atcttgtcta ttggtcttct   300
tctatgattg aggaaactga ggcccggggg gtctggatga tggtgactgc tgaaggccat   360
agcaggttca agggtgtcaa cttgatgcca atcccctag tcccatagat tggtctgtca   420
atatggccac aagccacacc cattcagggg gtggagggg gctccttagc gagcccctgg   480
aggtgttggt taggtgcaca ggcagtctct cccctacatc ctttctgcgt cctgcagcag   540
agcagtcacc aggccgaatt cc   562

        <210> 512
        <211> 891
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(752)
        <223> similar to gi1906596 in the genepept database release 114,

```
        <400> 512
aaagacaacg acaacttgaa agcttggtta tttccctgga gatgtccggt atcaaggtgg      60
gggatgacaa atgctactta gtcaatctga atgcagaccc tgctcttaac gaacttctgg     120
tttattattt aaaggatcac accagggtgg gtgcagatac ctctcaagat atccagcttt     180
ttggcatagg aattcagcct cagcactgtg agattgacat tgcatctgat ggagacgtca     240
ctctcactcc aaaagaaaat gcaaggtcct gtgtgaacgg cacccttgtg tgcagtacca     300
cccagctgtg gcatggtgac cgaatcctat ggggaaataa tcactttttt agaataaact     360
tacctaagag gaaacgtcga gattggttga aagactttga aaagaaacgg gcccgccaga     420
gcatgacctg gatgcagcca gtgaggcttc ctctgaacca gactataact atgaatttgc     480
acagatggaa gttatcatga aaaccctgaa tagtaatgac ccagttcaaa atgtggttca     540
ggtcctggag aaacaatacc tagaagaaaa gagaagtgcc ctagaggagc agcggctcat     600
gtatgagcgg gaactggagc aactccgcca gcagctctcc cccgacaggc agccacagag     660
tagcggccct gaccgcctgg cctacagcag ccagacagcg cagcagaagg tgacccagtg     720
ggcagaagag aggtaagaac tgcagcgcgg gcagcccaga gtcaaggccc caaggccgtg     780
ggtctttgag ggaggggttt ttgagacatg tcagggacaa acctagcaac aagagaactc     840
ttaatcccat atgtgatatt gccaattagc ttttcctttc acaaatattg g              891
```

```
        <210> 513
        <211> 1184
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1184)
        <223> similar to gi4456991 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 513
gaagcctctc cttctgtgca tattattact gaaattcttc aaaagattct gagatgctct      60
cagtgtttca ttgctacttt aattttaatc attatgggat tgattgctgt cacagctact     120
gccgcggcag ctggagttgc tttgcatttc acagtacaaa cagcagacta tgtaaataat     180
tggcagaaaa attctacttt gctgtggaat tcccaaacta atatagacca gaaactagct     240
aatcaaatca attatctcca acaatctgta atgtggctag gagattgagt agttagtcta     300
gaatatagaa tgcagttaca atgtgattgg aatacttctg attttttgcat tactcctcat     360
ctgtataatg aaagacagca tgagtgggaa agagttaaga aacatttgaa aggtcatact     420
ggaaatttac tttagatatt atgcaactga aggaacaaat atttcaatct tctctggcac     480
atctgacact aatgccagga actgaagtgc ttgaaggcgc ttcagatgga ttagcagcta     540
ttaacccatt aaaatggatc aagacacttg gaggctctgc aatttgaatg atgactgtgc     600
ttttaattgg tgttgtttgt ctttgtatat caaattgaaa tacaaatgaa attggtcatt     660
tgtacatctg caaatgtgga tcgcgaatcc tgcgagaagt agcctactgt gacaaagctg     720
cctatgcctt tatcactttg caaaaacaga aaggtgggac acgttggtag caatccctaa     780
ccctgtcata aacagacctt aaagaaactg gccataaaca ggatttctgc agcaatggga     840
catgctcatg atggctgtca tgcacactgc taaaagttgt tggtttacta gcagcagggc     900
aaggaacacc tgggcccgc ccggagcaaa aaactgcttc aaaccacaaa cgataggcag     960
```

```
ggaaaggcct gtgccttggc agcatgtttt tgctgcagat aatcagccag agcctgtttc    1020
tctgctcctc gctgagattg ctttgtttcc cataaagatt gcttttagct aatctacaat    1080
ctatagaagc aatgcttatc actggctttc tgtcaataaa tgtgtgggtc aagctctgtt    1140
tgtggctctc agctctgaag ctgtcagccc cctaatcccc actt                     1184
```

<210> 514
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (319)...(740)
<223> similar to gi186396 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 514
```
aaattcccat ctaacgtgat cacattttgg ttgggtttct ctcctcctat caggccccgg     60
gatgttgggc cagcctcacc tggagcaaac gtcagaggat caagcaacgc ttccttagga    120
cctgctcaaa attagctatg cagccacagg gtttggcagc ttttatccat gactgaaccc    180
cacatcgaac gaccccaatc acggttgttc cgagcatcac gtgcctgtcc ctagaaaaga    240
aaatggtatg ctgcctgcgc tccaagaggc tcccagatgt cactgctcgg gtgtgcttca    300
tggtgctata ggcagcgtcc accagtggtt gcattagtcc ctcctcctct tgttacaata    360
gttcctcccc tattaccata atccctcccc gccattacca tagtccccccc tcctccatta    420
ccgtagtccc tccttccgtt accatagacc ctcctccgtt accacagtcc cttctcccgt    480
taccgtagtc cctcccatta ccatagtccc tcctccatta ccatagaccc ttctacttct    540
gttaccatag tccctcctcc attaccatag accctcctcc cgttactata gtccctcctt    600
ccgttaccat agtccctcct cccattacta tagaccctcc gttaccacag tccccccttc    660
tcacattacc atagaccctc cttccgttac catagtccct ccttcataat accacagacc    720
ctcctttcgt tactatagtc cct                                            743
```

<210> 515
<211> 1161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1162)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1161)...(0)
<223> similar to gi5817053 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

317
```

```
<400> 515
ttttttaatg tggagaaatt tttattactt tgaatgtttt agaatgcagg tagaagagac    60
ccggagctca aatagcttaa ataagtagga aatctattgg ctaatacaac tggaaatgcg   120
gagatagggc aggctgcagg gctggtggct cagggctcag ggggcccccaa ctctctgtgc   180
tgctctgagg cactgccttc aatctcaggt tggcagcaca aagctgctga gagtcccagt   240
gtcacgccca gaccccacaa tgccagggag gaagacaggt tctatctaag gagagatctt   300
ccatccccac ctctgcggac ttttactcac ttctcaggga cctgcatggg atctcaggcc   360
cattcctgaa gcagttgttg gcagacagag tggaatagtg tttacagcag gcaggcagcc   420
ttggagtgga ggcacacagc tccaagtcta tcaggaagaa ggggaaatgg gagctgcaca   480
gacagcaagc agcatgctcc atagaccacg aggatctgag tctgaattgg tgattattag   540
aacaatgact ccatggggtg atacattaga agtgctccag ggtccagaga tttaaatgta   600
atgaaagatg aacagaaaaa taatgaaaaa aagtatgctg cacaacaata gaaaaacaaa   660
aatctcataa tgcaaaagca tcaagtgttt gactctgaga agcgccttgt atgcccagtt   720
actctcgttc tccctcagct cttgcttgtg cttctccacc tgccattcca ctttggcctg   780
gtactgcctg tagtcttcct ggcaggcccc agctccagtt ctttggagca gctgggcatc   840
caagaagagg tcattgctgt ggaaggagcc ctctcgctcc ctccccagcc tctcaatcac   900
agccaggagc tctgcctgct gctgcctctg ctcctccaca gagccccagt tgttgaaggc   960
acagtaccttt ctctcacact cccgcaccag gtctttcagg ctgcagttgt ccgtgtttgc  1020
tacatagtca tccagggcct ggccccctta gtcctctttg tgggtgaaga ggatgaccac  1080
atgtctcatg gccctgtcc caaagacctc tttcaccttc ctgatggcca ctgtgtcctg  1140
agcagngaaa cgccccagct g                                           1161
```

```
<210> 516
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(391)
<223> similar to gi1150834 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 516
ctcaagcgtg gatgtgcgga agcggggaga aaggaaaggg ctggtgggga tgtcttcctc    60
ccgacgccgt gactgccggc agaacccctc cgaaagtgcc tggggttttc ctaccgtcct   120
ccccacaccg accttgggtt ccgccgcacc tcccaccgct cacgcgggtc cgtgcacccc   180
tcgctcccgc ctctgcccac tgagccatgg cccctccacc cacctcggcg gcaggagcag   240
gctcgggaga cgatgccacc ggttcctctc cgccgccacc agcagcaccg acaccgcaga   300
ggccgccgcc atgtccctgg agcccggcca ctccgtgact ccccagtaca gaggcagctg   360
cgtcccacac gccaaacccg ttcggacgcg tggg                              394
```

318

<210> 517
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(597)
<223> similar to gi3261518 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 517
```
tttttttttgg atttcacgaa ctcacattta ttcacagaca gacaaaggga caaggacaga     60
cctttgctca ctggggaccc ccagggtctg gcagttccaa agaggtgatg gtgtccagtg    120
tgtgaaacgg gggacaggga ggcggggggcg tccccaccag tctccatccc tctggccaac    180
tgtccgccgc cttttttttcc aagtcgtcct gccttaagac acatgttggg gtgagcggtt    240
cctaaccagc atcaggggtt ctgggggcgg gcgatggggg aggaaggggc agtccagggc    300
cccccactcc ttagtgtcaa gggcgtgaag gggacgggtg ggtagacaga ggaggtggct    360
ccttcaactt ccctcctcca ttctgcaaac cggggagctc aggcggagcg gcggagggca    420
gggcggcgaa ggtcaggagg ccaggccccc cagcccgcgc aggtgagctt tgctgtctac    480
ctcttcctcc tccatctcga aggctgagtg gtcttggctg tcgaaacagg aggcgctgag    540
gaagacaggg ggagccggcg gggactgggg tggggtcccc ggagagggcg gctcttcctt    600
aatgtttgcg aggggcagcg ggagcccttc ttcctcctgc tcg                      643
```


<210> 518
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (118)...(514)
<223> similar to gi3882161 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 518
```
gggtgctggg gaggggggacg ggtgcatctt agccggccgg tctccagctg agcctgaggc     60
tgagttcacc actaggcagg gcaggaggga gcaaaccctg agccccaccc accttccctg    120
cagtggtgtg agaagcacaa gcgctctggg aggcagatgc tctgtgactt gcttatcaag    180
ccccaccagc gcatcaccaa gtacccactg ctgctccatg ctgtgctcaa gaggagcccc    240
gaggcacgag cccaagaggc cctgaatgcc atttgaagcc gtggagtcat tcctgcgaca    300
tatcaatggg caggtccgcc agggcgaaga gcaagagagc ttggcggctg cagcacaacg    360
catcgggccc tacgaggtgc tggagccacc cagtgatgag gtggagaaga acctgcgccc    420
attctccacc ctggacctga cgtcccccat gctggggggtt gcatctgagc acaccagaca    480
gctgctgctg gaggggcctg tgcgagtgaa gg                                  512
```

319

```
<210> 519
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(421)
<223> similar to gi1435038 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 519
gagcaattca gtccaattcc gtttctgaag gaatgagcga attccccaga gagcaatgac      60
cgagactcag gtggttgtct gtttttcatc cacatgcttc acagatgaca tatccccccc     120
ttaagccctg caacagagcg cgaggcggat agtcccatcc acacaggagt cacactcagg     180
ccaactgaag cgtgattctg gattccacgt tctttgccct ctgcaaaggt gcctgttgct     240
caagtttctg cccccccgaaa gcgtgaccat gttgactgtt tgttgcccga gctctgtggg   300
gtcccagaaa cttccaggaa tgcctggaag acccgcattg tgtcggtgct ctcctttcca     360
gttttcaaac agaatatatt gaaaactccc cattttgcag gaaacaggaa tcacgaaaat     420
c                                                                    421




<210> 520
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1020)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (86)...(1019)
<223> similar to gi287865 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 520
aggaagagac gcttacgtta ggggaatcct ccgagcggcc gcgttcccca cagaggacag      60
caggacttcc aaggtgagca tgtcggaggc tgatcgcgcc cagaagatgg acggggagtc     120
cgaggaggag caggagtccg tggacaccgg ggaggaggag gaaggcggtg acgagtctga     180
cctgagttcg gagatccagc atgaagaaga gatttctcaa gaggaaagga aagaccgaca     240
gtccctggat caagccagcc aggaaaaagga ggcggagaag tagaaagaag cccagcgctg    300
ccctcggttt ctgagtcgta taagtcatct gcaggaagcg ctgagcagac ggcaccagga     360
```

320

```
gacagcacag ggtacatgga agtctcttct ggacttcctg gatctccgag tcaaaggaat    420
tctgtcttca caagcagaag ggttggccaa cggtccagat gtgctggaga cagacggcct    480
ccaggaagtg cctctctgca gctgccggat ggaaacaccg aagagtcgag agatcaccac    540
actggccaac aaccagtgca tggctacaga gagcgtggac catgaattgg gccggtgcac    600
aaacagcgtg gtcaaggatg agctgatgcg cccctccaac aaggccccgc tcctcgtgct    660
gtgtgaagac caccggggcc gcatggtgaa gcaccagtgc tgtcctggct gtggctactt    720
ctgcacagcg ggtaatttta tggagtgtca gcccgagagc agcatctctc accgtttcca    780
caaagactgt gcctctcgag tcaataacgc cagctattgt ccccactgtg gggaggagag    840
ctccaaggcc aaagaggtga cgattagctt aaagcagaca ccacctcgac cgtggacacc    900
agtccccggg caggagaagg gctcggctcg anagggaggg cacnaaccac aacgggcagg    960
tacctggcac agctctggct gggctctcca gtcgtccacc tgaaaaagtt tcagttgtt    1019
```

```
<400> 521
taccgggccg acgatttcgt gcaaagtcgc atctgatatg aggtggcttt ttaaccccctg    60
agggaccaca tttaaggatt tcgaagagat ggaggctgaa ctttctcgat gactcttcgt    120
cacccggagt ggtgcagagc aacctgcaag caatcaaggc cagtctaccc tgcagccctt    180
gccgccttcc cataagcagc actctgcaca gcatcatcca tccatcactt ctctcaacag    240
aaactccctg accaatagaa ggaaccagag tccggccccg ccggctgctt tgcccgccga    300
gctgcaaacc acacccgagt ccgtccagct gcaggacagc tgggtccttg gcagtaatgt    360
accactggaa agcaggtaac atctaaaatt tcaaaataag ctagcccaac ccttttctca    420
ccaggagcaa tttactatac ttacatattc tggtgtggtg ctttgggggt ttgttgttgg    480
tgtgttttct tttttcttct ctaagaagca gttccagatt gttgtgat              528
```

```

<222> (214)...(4)
<223> similar to gi4886505 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 522
tttcgtgcgt gcgcgcaggt gtgcgtgacc atgtgcttga aacggcagta gcgcagcgag        60
aaggatcgcc atcacacggc gcactggtgc ggcttctccc ccgagtggat gaacatgtgc       120
ttggtgtcgt ttttccttga gctgaacgtc ttgcaacagt ggccgcacgc ataggggctga       180
ccccacattg gacaccgctg catccatgtc catcacacaa cacagctgcc gtttcttctg       240
cctgcttatg ggaaagaccc ctcttctcct ccgttttctt ctcttcctgc cctatcacac       300
cgtgcacttc tccctttcct taaagaacca ccatcaactt taggaggagg gaaaggggtg       360
gctctggcag gaaaagccag aatcccctct agccagcaga gagagagagt caagggtctg       420
tttgggtggc agggatagcc acttctgaag gtagaaagga aaataagcca ccaaattggt       480
acctttctgt gaaatggaca tcgtgctcag aatctccatt ttccccacaa cctggaggag       540
taagtactgt catctgcatt ttgtagctga ggaatctgac tcaacaaaat taaattactc       600
gcctaagcaa ttagcaatca accaagtctt tctgactcag aaacccagct attgcctgtt       660
catatccagc ccctgtattg gggtcaagat ctggcctgtt ctcaatgcag caagatccag       720
gcagatcaca ctggactccc agcactgaat ctggctcgag gggacatcaa atttgactgg       780
gtcatggggc tcaggagcat cactctcaaa aatagcagta caggaagagg caatggccct       840
aaacagcact tgcaggcaga tccccaatgt taatcataag ggccaggact ctctcacttt       900
tctgtctctc tctctgtctc tcctctaggg ctgaccccac attggacacc actacatcca       960
atgtccatca cacaccacag ctgcctttc ttctgcctgc ttatgggaaa gtgggctcag      1020
gaggtctgga tctggggtgg ggatctggag tggaagggga attcatttgt tcattgtcta      1080
tcctttgta ttgattgaat tttttatata tatatgggaa ttttcacaat aaaattttt      1140
tccaaaataa aataaacaaa aggggctttt tgcaacccan aaaaaaaaaa              1190


<210> 523
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)...(652)
<223> similar to gi21992 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 523
tttccggtgt gcgtctgtgt gtgtgtgcgc cgcacgtttt tgagtgtgag acccaaatgc        60
agaccacgca acctgcgttc cccgcgcctc ccccgtccc cggtgattaa tacccatttt       120
tctgacgctc ccctcctccc ctcctgctct ccctctccgg ctgccgcgcg gttgacttgc       180
acagcctgcc cccgcccgct tcccttcccc cggctccgat cctcaccaac tggaatctgg       240
gctcctgcct ctccacccccc cacctctttt tgagaaagga aggttccccc cacccccttt      300
caaaaaccac ttcctccggc ttcttcacct ctaggaaatc tcggggcttc gctctatcga       360
gagtgctcgt cgagggtgat tcttgatcac caccatccag tagtgctggc gtccgaatgc       420
atatcctttt gccttgcaaa gaagagtcat gaacttcaaa accccccgaga cggatcatta      480
atcctgcttt gcaggaaagg aaaaccctcc attcccagcc accggccacc cctctccgca      540

```
gactgcaacc gcggaggcgc tcggagccgg aagggcgacgc tttgggaatg accatgctcc   600
accgagggac ggagccggcc cccagcttct ccacacagag cctcctccac taacgctcca   660
aaaaccaaaa accgtaattg ccagaagaag cgttaaaaat ctattccagc cactaaccc   719
```

```
<400> 524
cggggggcgt ggggctgggc ccagccggac gcgacctcag cctgcggcgg ctaactgccg       60
gtaggcgtct gtgtgcgccg ccaagtcggt ggggcgggga cgcgaggtgt ggatggggggg     120
tcgccttgac ctctgcctca gccagtagcg cagtctcggc ctcgccgtta cggagatggt      180
gccctgggtg cggacgatgg ggcagaagct gaagcagcgg ctgcgactgg acgtgggacg      240
cgagatctgc cgccagtacc cgctgttctg cttcctgctg ctctgtctca gcgccgcctc      300
cctgcttctt aacaggtata ttcatatttt aatgatcttc tggtcatttg ttgctggagt      360
tgtcacattc tactgctcac taggacctga ttctctctta ccaaatatat tcttcacaat      420
aaaatacaaa cccaagcagt taggacttca ggaattattt cctcaaggtc atagctgtgc      480
tgtttgtggt aaagtgaaat gtaaacgaca taggccttct ttgctacttg aaaactacca      540
gccatggcta gacctgaaaa tttcttccaa ggttgatgca tctctctcag aggttcttga      600
attagtgttg gaaaactttg tttatccgtg gtacagggat gtgacagatg atgaatcctt      660
tgttgatgaa ctgagaataa cattacgttt ttttgcatct gtcttaataa gaaggattca      720
caaggtggat attccatcta ttataaccaa gaaactatta aaagcagcaa tgaagcatat      780
agaagtgata gttaaagcca gacagaaagt aaaaaatata gagtttttac agcaagctgc      840
tttagaagaa tatggtccag agcttcatgt tgctttgaga agtcgaagag atgaattgca      900
ctatttaagg aaacttactg aactgctttt tccttatatt ttgcctccta aagcaacaga      960
ctgcagatct ctgaccttac ttataagaga gattctgtct ggctctgtgt tccttccttc     1020
tttggatttc ctagctgatc cagatactgt gaatcatttg cttatcatct tcatagatga     1080
cagtccacct gaaaaagcaa ctgaaccggc ttctcctttg gttccattct tgcagaaatt     1140
tgcagaacct agaaataaaa agccatctgt gctgaagtta gaattgaagc aaatcagaga     1200
gcaacaagat cttttatttc gttttatgaa ctttctgaaa caagaaggcg cagtgcacgt     1260
gttgcacgtt ttgtttgact gtggaggaat ttaatgatag aattttacga ccagaattat     1320
caaatggatg aaatgctgtc tcttcatgaa gaattgcaga agatttataa aacatactgt     1380
ttggatgaaa gtattgacca aattagattt gatcccttca ttggtagaag agattccaag     1440
aa                                                                      1442
```

<220>
<221> misc_feature
<222> (6)...(569)
<223> similar to gi5305335 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 525
gtcgacccac gcgtccgccc gactctgaat cccgggcggg aggaggaccc ccgcaccgcc   60
ccctccccag cgtgtaagtg gctctgctat tgtgcgtccc tggaagtggg gaccccttg   120
tccctcctcc ctcccctgtt gtctggccgt cgtcaacccc accttgactg agtgttgagc   180
ccgtccttgg gctctggtcc ctgcggggca ggctctcccg ggcccacggg gcggacgctg   240
cataccaatt tgccctgcac cgcctgtccc ggagacggag cccgaaggcc tgccatggcg   300
gctgtgtcga ggatgcgtgg cgcctgccgt ggcgggacag cgtgggcagg ctcatttctg   360
ccccaaccc gggccccagg acaggtcagc gcgccctgcc ccggtgccca ccgctgcccc   420
ccatccgccc tcctgccact tgcccctgac cccctgccg tgcctcccgc agccctccca   480
tgccgttcca ctcctccctg cctctgagcc gaacatgata ataaaagcta ttattgagcg   540
cttactgcat gccaagtaaa aaaaaaaa   569

        <210> 526
        <211> 875
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (525)...(876)
        <223> similar to gi4185940 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

        <400> 526
ccacgcgtcc gaacaattat acttactggg catatttatc aattttttt ggcaagaatg   60
cctggatgta atcactctat gacacagtta cacatgcttt ctgatctcag tatttaccat   120
gataaatctg ctcctataat tgaggcatac cgccctcaaa aacctatctg taaacaggat   180
tggacccagt cagagaaaat gaacgtacat gtttgggaag attgcattgc agaacaggca   240
ggggtgctgg caacgattcc tatggaatca ttattgattg atccctacg gggatgttta   300
gcttgaattg cacctctcag tctgtgtgcc acggccccac tatgttcagc tggtctgaac   360
aaaatggtca gatggtagaa atgataagaa atacggcaag aattcctatt atctggaacc   420
atggcggtgt agtggcacct caacctcaaa tgatatggcc ctttgtagga gctaaacata   480
aggatttgtg gaaactgtta atagctctta ataagatcaa aatttgggaa agaataaaaa   540
agcatcgaga aggacactct acaaacttgt ctttggatat tacaaaatta aaagaacaaa   600
tatttaaagc atcccaggta cacctgacct taatgacaga aactggagtg cttgaaggag   660
ctgcagacag attagcagct agtaacccat taaaatggat aaaaacactt ggaagctctg   720
tgatttcaat gatgattgtg cttttaatcg gtattgtttg tctttgtata gtgtgcagat   780
gtggatcctg actcctgtga gaagtagctc acagtgtcaa aagctgcctt tgctttttatc   840
gatttgcaaa tcaaataagg gggacatatt gggaa   875

<210> 527
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(832)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (211)...(833)
<223> similar to gi4455041 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 527
```
ggaagtcgcc gnttttnnnn nccatgattt ccctactcag tgncgnggaa ttcggttgtt        60
gtgaggatta aatgaggtag aaatatggca agtgcttana agcaagccag gtatatggtg       120
ggcactcaat aaactgttgc aaaggtgatg atctctgtat cagcactgcc cagcactagg       180
tctgacctgc ggtagcaatc agtgcaggtc cctgtcgagg gaacacaccc cagcctctag       240
tctggagagg cccgtggccc accagacaac ccctcgctga gcagtagctg gagccactgc       300
ctcaacccca cagccctgcc ctggtcctgc caccaagaca ctactcacgg gaaggtagat       360
gcagcaaagc agagaatgga gatcaagccc aggcccacgc tggcctcgtc ccagccgtcc       420
tgggcacatt cacccaacac atcccatatc cactggatgg agccactggg gcagctggag       480
aagttgcggg agcccagttt cttccagacc atggctgtgg aggaggggcc cccggccagg       540
cagggctgca ccggagggag ggcgctggtg ttctgaggcc agcaagggtt cctaagcacg       600
gcgtgggagg aggcagtgta ggccctcggt ccctgcagac ctggggagat tgtggaggga       660
ggagcgtccc agctcggggc taccacccac tccaggcctc ggcgtcctcg gccacagctc       720
cctcctggtg actcagcccg gcgcgggccg ccacgtccag atccgccgcc agggcccagc       780
ttctgggtca aggcccgccg ggtcagctga ccgcgcgcca ccgcccccgc g               831
```

<210> 528
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(414)
<223> similar to gi190504 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 528
```
gcccgagcct ctggccggcc tggaccaact gcgggagctc agcctggcgc acaaccggct          60
ccgggtcggc gacatcgggc caggcacctg gcatgagctc caagccctcc agatgctgga         120
cctcagccac aatgagctgt cctttgtgcc cccggacctg cctgaggccc tagaggagct         180
gcacctcgag ggcaaccgca tcggccacgt gggccccgag gccttcctca gcacacccg          240
cctgcgtgcc ctcttcctca ggtgccccga gggtgaccgg aggggtggag gtgggcaggg         300
gagggcctgg gagggtcatg accgcctctc tgtgcagggc caacaggctt cacatgacga         360
gcatcgcggc tgaggccttc ctggggctcc caaacctgcg tgtggtggac acggcaggga         420
atccggagca ggtcctgat                                                       439
```


<210> 529
<211> 898
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(892)
<223> similar to gi190406 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 529
```
agcactgcaa acaagcaact gtctagacat tgacagttat tttctagttc tgaccttata          60
gtatccaaag caactaaaag aacaggaaga cacagtttaa atcatgaaca gtcaatggta         120
agttatgaac attcagttga ttctcagtat cagtctcgac ctattattat aagaagtcag         180
gaatctagtc atggacattc tatagtaact cataaacagt caaacaacac ctatgttcaa         240
cctggatata acacagccag aagggaggga tgtacacata gccagtcaaa tgaccacctt         300
ggatttggcc atggacaatc catatcagtt catggccatt caaaatctag ttcaatcaga         360
aaacaggaat cccatactga taacaaaaag cattcagaag attgggagaa agacactcat         420
gagcaattag gatctaggca tgggaagtta gagttcaata caataggtat acatggatct         480
agccagcaac atttcggaga tacaactttt catgggcagg taagatccag cacaggtttt         540
gccagatagg tattaagtca tgggccatca agagatgcct agggtcagtc tggattcagt         600
accaatgaaa gacaagtata cagccatggc caatcaaatg atagttatga gtagtcaaat         660
gacagcaaaa gtcaaagata cattttcagt cactttcttg acagccaaga ccctgcagga         720
attgaagagt ataggtatag atatttatca agcagtgcaa ccatatgcag tgggggagac         780
aaaggcaaga gtcagagtca agtctgtcag gaggtatcag aatatacggt gaggatgtgg         840
gcaaaaaaca aagaggctct gaggccagcg gttaccatac aaaggaaaga acaggctg          898
```


<210> 530
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(865)

<223> similar to gi600118 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 530
tctctgaact tcttctttta gtgtcttgaa gccttcgtgt acgtccccaa catcagatgc   60
ctggataagg atgaccttct cctctcctga cttttctcca ggagggaagg tttgcatgtt   120
atcattgcag atatgtggaa tatcccactc atctttgcct ttgaccatca gctgtctcac   180
tcgaaaggcc aggacgcagc ccttggggat ggttacagcc tccttgtgat ttatggatcc   240
ctgtagcccc aatggggcga agaaggggag ggagaagcag gcctctgcct tgccggctcg   300
ctccagtgtg acctcctgca ccgtctccac cacctccatc accacataca ggttctcccc   360
ttgatcttgc atctccttca ggaatgggtg gtctgctgcc agcttcctct tctgcaaggt   420
ctccagggcc ttggcagcca cactgagtgt ctggccctcc agagtgctgt tctgcgagag   480
ccctgccgtt cccttcacct tcaccgtctt tggtacatcc acatctccca ccactcgggt   540
gtccagcata ttcttaaagc caaaattccc agtgtctgtt gggtctgaag gtgagcagcc   600
gggctcaagc acatccagca gtgtgtagtc ggtgcggacg taccgggccc cccagaagag   660
cgtgctcttc ctcttcctca gctccaggca gaagggatgg aagcgcttga agtcgatgag   720
gctgtcaagt ggtgtcaggt cccctcgagg gtttagctgt ctggccaggg cccgggtgac   780
attttcaaac atggtcattg tctctgggag cggggctggg tcctatccag cagctgggtc   840
tgcggtgagg gcctagggct cactg   865

<210> 531
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (593)...(941)
<223> similar to gi5174770 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 531
agtaaaggga agatttagga tgccgttttt caagggaaag ttaagtctag acatgcttct   60
ttgaaagtca caaggcagaa ttggtcaaaa gccagaattt taaaaggaac ccaaaaccaa   120
atatcataag cttgtccttc tcttcctaac tgggatataa aattctccta agtatctcat   180
cgaaaaggct ccttgggacg aaagtcgatg ggggcaaatc tttggaggga aatttcgtga   240
cttgtttgac catggactta attaataccg ttcacctgta gagaggatgc acttggttcc   300
cagcgccctc ctcccagcac aggccgctgc ctcagcatcc accccgcagc ccacgtgtgg   360
caagccgggg aaggggtgga gtgaacggcc ggagaccacg tggagaaagg ggccgctttg   420
gcccttccat ctgggtgccg ggagcccta ggccctccgg ccatggccga cagcggcgat   480
gctggcagct cgggcccctg gtggaaatcg ctcaccaaca gcagaaagaa aagcaaggaa   540
gccgcagtgg gggtgccgcc tcccgcccag cccgctcccg gggagcccac gccacctgcg   600
ccgcccagcc cggactggac cagcagctcc cgggagaacc agcaccccaa tctcctcggg   660
ggcgccggcg agcccccaa accagacaag ttatacgggg acaaatccgg cagcagccgc   720
cgcaatttga agatctcgcg ctccggccgc tttaaggaga agaggaaagt gcgcgccacg   780
ctgctcccgg aggcgggcag gtcctcggag gaggcaggct ttcctggtga cccccacgag   840
gacaagcagt agccccaata gcctgcgcgc tccaggactg cctacccagc actaccccaa   900

327

accccccagtt ccaaacccga gacttcaggc ccgccccctt acgcgttgtc tcattcc   957

<210> 532
<211> 1069
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(1069)
<223> similar to gi485096 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 532
gttcttcctg cagccacctc ctgagcctgg agccgctccc cgacttcttc tcttttctcg   60
ccttgtccct tttgtgcatc gagagggcac cctgggccag caggcccgtg atgccctact   120
tcttctcatg gctttgtcag ctgggagccc cactgtgggc cgctacatcg cggatcactc   180
ttacttctgc ccggtgctgg ccacagggct cagtgccctg tactcatcac tgcctcgaaa   240
gattgaggtt ccaggggatg attggcactg tctgcgacgg gaagactggc tgggagtgcc   300
agcccttgca ctcttcatga gttccctgga gttctgcaat gcagtaattc aggtggctca   360
ccccctggtg cagaagcagt aggttgatta tatccataat gggttcctgg tgcctgtcat   420
gggtcctgcc ttgcacaaga cctctgtgga ggagatgatc gccagtaccg cctacctgga   480
acttttccta cggagtatct cagagcctgc tttgctccgt accttcctgc gattcctgtt   540
gttgcaccgg catgacaccc acaccatcct cgacaccctc gttgctcgta ttggcagtaa   600
ctcccggctc tgcatggtct ctctgagtct cttcaggacc ctcctgaacc tcagctgtga   660
ggatgtcctg ctgcagctgg ttctcaggta tcttgttcca tgtaaccacg ttatgctgag   720
ccagaagccg gctgttcgtg atgtggacct atatggacga gcagctgaca agtttctctc   780
cctaatccca cgctgttgtc ggcaccacgc ccccagccca cctcgtccag agcatgcctc   840
atgggcacga ggtgggccta gcagagagac agggagaagg gaggacatca cgggtcctgg   900
aagcccaagt gtggactcct cttctgtgat gacagtaccc cggccctcca caccatctcg   960
tctggctctc ttcctgcggc agcagagcct gggtggctct gagtctccag gcccagcccc 1020
ttgctcacca gggctttctg catcccccgc ctccagccct ggccgacgg   1069

<210> 533
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (514)...(0)

328

<400> 533

```
tttttttttt ttgagtgtgg ccctggctat tttattccat gtgctggccc tggggaccca    60
gctgggccag gtcgacgccc ctggggagac agtgtgggctc ggccagcctc agtggcttct   120
ttggggtgca ggagggcttt ggggttaagg ctggggagga acaggaagta aagtgcttgc   180
aggggccctc ggggcttggc cccagccacc ctccctgctc cggggcgggc cagaggccgg   240
acacccctgg gctgtgcaaa caggactctc cagggcccag ccaggcctgg gtgaggggca   300
catactggct ggcaggcatg gttcccaaca cccgcagcca cggaggctct ggcggggctg   360
ggggcccgga tgaggggtga gtccagaacc gattgtccgc tgattgtctg cttgtctggt   420
tcgtggctgt gtcggctctt cccggtatcg gggcctgctg cccgctttct gggggctgcg   480
gacgcgtggg tcgacctnna attccagagc ggtc                               514
```

<210> 534
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (675)...(6)

<400> 534

```
ggggccgcag tccgtgcaca cgtggcgccg ctggccggcc tgagcatcca tgctgggtat    60
gggtgccggg ggctgtgctc ctgtggtcgg gtcccaggca gcattttttgg gtggctgtgc   120
ccgtgccggg gccacgctaa tagctgggtc agggttgcgt tccaccagca cttcaggact   180
ctccttcaca ggagcctttc taggcccttt ggctcttggg acttcctccg gttcctcttc   240
cttcctgttt gggacatctc ctctccgagc tcctcccagt ctttcccccct tctcaggatc   300
ctgggcggcg gggctccaag cctcactctc ctgttccatc caagagatga gggctggttt   360
ggggcctggg aatcctggga gagaacaggg atcacagcgc gggcctgaga ggccatcgtg   420
ggaagatggc attcccctcc aggctgaggg cacccctcg gagcttatac tcaacctgga   480
aggggctgca gtgctgctgc ctgaatgaaa tggatgcggg tgaaaacact cccgaggggg   540
tacctgaagc cctgggaacg ggaggtggct gctggtgttg gtgcaagagt gcgggattag   600
ggctcacagt cctctcggnc cttctacatc atctcccctg tgaacccagt gaaagaagag   660
gggctcggac ccgggctctc accgagcgcg cccaggtggc cgtaggtctt ctgcat       716
```

<210> 535
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (263)...(625)
<223> similar to gi5738610 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 535
gtgtgaaatt ccattggatt actgaatcaa gtaagccata aaagttaaac ccaagtgaaa   60
ctagataatt gtgcaatttt cttagatgga ctccttctta agttcacctg gctctctact   120
ggggaccaaa tcttatattt ctcaattatg tatgcaaact ggaatcacct gaaaatacgt   180
ttaaagacaa aaattgcagc agagaagcca gggaaggggt agagtggatt cttccagcac   240
atgagttcac atgactgctt ccccttctca acaggggcca gagcctgcca ggacctcaaa   300
gaggagagct tcagaggccc agctgacata ctaggcatag gggccaaaga gtctaccttg   360
agaaaggttt ttatatctca aatttgaccc actcttgaat gacagctcta agaaattggc   420
ttctcaggaa actgagacaa acagcatctg tgatgctacc atgccttcct taggaagtcg   480
gcctgaagca aagccggtgg aatctgattt ctagcgactc cgggtgttcg tgttcctgtg   540
ataggggcctc ccttatgtgt ccattggccc cattgtggat atactgcagt ttagccagaa   600
agacctggat gtggaggtta aag   623

<210> 536
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(383)
<223> similar to gi1004363 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 536
tctgcactct caggtattcc ctgctcttac tccaaaaaga tggacccagg tccgaagggg   60
cactgccact gtgggggca tggccatcct ccaggtcact gcgggccacc ccctggccat   120
ggcccagggc cctgcgggcc acccccccac catggtccag ggccctgcgg gccacccct   180
ggccatggcc cagggtcctg cgggccaccc ccccaccatg gtccagggcc ctgcgggcct   240
cccccctggcc atggcccagg tcacccaccc cctggtccac atcactgagg aagtagaaga   300
aaacaggaca caagatggca agcctgagag aattgcccag ctgacctgga atgaggccta   360
aaccacaatc ttctcttcct aataaacagc ctcctagagg ccacattcta ttctttaaaa   420
aaaaaaaa   428

<210> 537
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (279)...(726)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 537
caatttgatg tatttgagtc agcattcaga aaatttaaat gattttattc acaaaagatn   60
ttctgagtct cctttggcaa attcccaatg atacacgatt aattcaataa atttctacaa   120
gcaattattc attccaganc cataaaactt ctaagatgga atttgcaaag caatgaaaca   180
gtcattttac attgtgtact gcactacaca gattgctttt tatatttatg aagtttaaat   240
gcagggaata agtcaatatt taactaaaaa atggattcaa aactaaccaa gtctggcata   300
aggacagaaa tttaggtgag tggaatagaa ccaagaatct agaaataaac ccatacatct   360
atggtaattg atttctaaca aagttgccaa gacaattcaa tggggaaaga ataatctttt   420
ctatatatag tgctgggata atatctcata tcaaagaatg aatttggact cctaccttac   480
atgtacctca catatataaa aattacttca aactggatca aagatctaag tacgttaaga   540
gctaaactat aaacttttta caagaaaaca taggtgtaaa tctttgtgat tttggattag   600
ggaatgattt atttgatatg acacttaagc attagcaacc aaagaaaaaa atagataaag   660
tgaacttcaa aatgaaaaac ttctgtgtgt caacagacac aatcacaaaa gtgaaaagac   720
aagagaatgg gagaaaat   738

<210> 538
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)...(417)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 538
aactttcacg gggccaaaat tttaatcttg atggagtcca acttcagttg acccaagcag   60

331

```
aaggaacgaa ataataaata ttagagcaaa aataagtgaa ataaagaccc caaaaccaat    120
aaaagaaatc ggtcaagcct aaagttggtt ctgtgagaat agcaacagaa ttgacagaaa    180
cttttagctg ggccaaccaa ggaaacaaga aagagggtgc agatcactgc agttgggagt    240
gaaagagaca ctagctgacc ttccagagat aaaggctgta aaggaatact acgaacagct    300
gcatgccgaa aattaataac ggaggtgaaa tgaacaaact cctgaaaaga caaaagctac    360
caaaactgac tcaagagaaa cacagacaac ctgagtagac ccacagaaca gcaaagaca     419
```


```
        <210> 539
        <211> 2369
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (170)...(2291)
        <223> similar to gi186774 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 539
atacagagat gtgatgctgg agaactataa gaatctagtt gcagtagatt gggagagtca     60
tattaatacc aaatggtcag cacctcagca gaattttttg caggggaaaa catccagtgt    120
ggtggaaatg aattcagagt aaaagggaga atctcaatga aataaatttg gaaaacttct    180
atgaaccatc attaattttc accaacagga gagaaaccat tttggagagg aactgtttga    240
ctttaaccaa tgtgaaaaag ccttgagtga acactcatgc cttaagactc acaggagaac    300
ttactttaga aagaaaacct gtgagtgtaa tcaatgtgaa aaagccttca gaaaaccctc    360
tatctttact ttacacaaga aaactgatat cggagaggaa cttcctaact gtaatcaatg    420
tgaaacagcc ttcagccaac atctacatct tgtttgcaag aaaactagcc aaaatctaca    480
tcttgtttgc aagaaaactc acactcaaga gaaaccatat aaatgcagtg actgtgaaaa    540
aggcttacct tcctcctcac acctcagaga atgtgtaaga atttatggtg gagagagacc    600
atatactcat aaggagtatg acgaaacctt ttctcattct acagcccttt ttgtacacat    660
gcaaactcaa gatggagaaa aattctatga atgtaaagca tgtgggaaac ccttcactga    720
gtcgtcatat cttactcaac atttaagaac tcatagtaga gtgttaccta tagaacataa    780
gaaatttggc aaagcctttg cttttttcccc agatcttgct aaacatataa gacttagaac    840
tagaggaaaa cactatgttt gtaatgaatg tggcaaagaa tttacttgtt tctcaaaact    900
caacattcac ataagggttc acactggaga aaaaccgtat gagtgcaaca atgtgtggaa    960
agccttcact gattcatcag gtcttataaa acacaggcga actcacactg gagaaaagcc   1020
ttatgaatgt aaggaatgtg ggaaagcttt tgctaactct tcacatctta ctgtacatat   1080
gagaactcac actggtgaga agccttatca atgtaaggaa tgtggaaaag cctttattaa   1140
ttcctcttcc tttaaaagtc acatgcagac tcatcctggt gtaaaaccct atgactgtca   1200
acagtgtggg aaagccttca ttcgatcctc atttcttatt cgacatttga gaagtcacag   1260
tgcagaaagg ccttttgaat gtgaggaatg tgggaaagcc tttagatact cctcgcacct   1320
tagtcaacat aaaagaatac atacaggga gaggccatat aaatgtcaaa agtgtgggca   1380
agccttcagt atctcatcag gccttacagt acacatgaga actcacactg gtgaacggcc   1440
ctttgaatgt caggaatgtg ggaaagcctt tactcggtcc acatatctta ttcgacatct   1500
aagaagtcat agtgtggaga aaccatataa ggaatgtggg caaacctta gtaattcctc   1560
atgccttact gaatgtgtgt gaattggggc tgatacttgg aaagaatgtg gtaaagccac   1620
tacttcctca cacttactga acatgtactc attcatagtg gcaatgtaca cagtcataag   1680
gaatgtggga gccttccctt ggtgtctcag atcttaacaa ttccaataga agagaagaca   1740
tatgaatgta aggaatgtgg gaaaatcttg gctccttcca taggccttac tattcatgtg   1800
tctgtgcatc ctaggaaaca aactgaacgt aggaaacctg tcgatgctta catcttactg   1860
```

                                    332
```

```
agtctgtttg aactcatgct ggagagaaat gctatgaatg tgaggaaggt ggaaaagctt      1920
tcattatttt cctcgggcct tactgagctt gtgagcacat tggatataaa tgcacgtcct      1980
ctggctgtaa ggaatgtgtt gaaacctttc actctgcctt ataccttaat attcagctgt      2040
gatctcacaa gtgtgaaaaa tcttatgaat gtaaaatgtg tggagattct tctttgtttt      2100
tagcttccac tttgggaaca tgtcaaagca cacattgaga agtcccatga gtgaaagaga      2160
tgttggaaag cccttgaact tggtcgttag gaaacatcca cactgaagag gaacctgact      2220
gtatggaagg tcaaaaaggc tgtattaatt tacatgcaaa aagtcacact agaggaatgc      2280
catatcagaa tgcttttggt aaatatacat gtttaaaga ggttatatat cattaataaa       2340
aatatctagc tggtctgaaa aaaaaaaaa                                         2369
```

<210> 540
<211> 2784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1467)...(2784)
<223> similar to gi2065210 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 540
```
tgggtcccct tccactcaag agttttattc caatatattg aacctggcct ggagcttagg        60
gctttataga gtgggagggg ggcagtcttc caaaagatgc ggactcttgc cacatggaat       120
ggtggagtac ggaagggtgg aaagggtttg gtaggtaaac cctgaagatg cttctaacac       180
acgtgctgtt ctcccatctc acgtatgacg actctcccac aggtaaccaa aaccacattt       240
ctctctgctt agggaattca agatcatatc taacttcgaa ttccaggggt aatgacgcgg       300
cttctattct ccaaagtcca gtgtcattag ggataatctc cctctttcag ttttatcaca       360
attccatttt gaaattctac aacctgtaga ttaactggta aaattaacca tattcaacca       420
aaattgtata acccagcaag aatggaagaa tgggtaaagt ctacagtcca tttctagaac       480
tggtcatgag aactcatgtt tatgatgatg acttttgat ctggtggagg gacccaaacc        540
ttcagttctg aagctcatta gtggtcctac ctgtgtgaca ggcatttact attggactgg       600
cagtcccagg acaaactcca ggaatccccc catgtccatc tctactcctg ccctctttta       660
cgtagcagca atcatatttt cccttgatag ggttcatcat tctagatact ccgatgactt       720
ctttataatg agcctgaagt ggcctggtgg ctgcctcagc ttccagttca gttgaatagc       780
tactacgtct ttgaggatgt gctccttgct gggggactaa actctccacg ccagcccagt       840
cccaaaccta aacctcgggt atgagaaaag cattgagatc tagcaatagc agggccatgt       900
ccacactgcg tcctatccct gaaggagaaa cagcgccagg tatggttgcc ggctccaagc       960
gcatgctgcc tcctgcaggc ctgacccagc ctctcggggt gttgtttctg gtgccatagt      1020
tgaattttca acaaaccatt tcaccaccct ctcaagacag ctgctgctgg tttgtgggtt      1080
cctgacaaga tgagtgaatg cctgcccatc aacccgttac tcttctttta gctgtaaagt      1140
gaattctctg gttgggtgca gtatgtgagg aggtcacatg atgtttatgg catttgagaa      1200
ttccatggat attgatggca ggagaggcat gatgggttag aaaagcaaat ccaaatccag      1260
aacaagggcc caaaagggcc aagacaaatt actgcccctc tcagagccac aggtgtagac      1320
aggtgaaaac actggacagt gagtgagcta cccacacacg acccactggt gccttcagag      1380
ccttagcctg gagcgacagt gtaccgttga taatggaacg cactggccat gccagacttt      1440
atggctaggc ggtcagataa cactacgagg ggcagcatgg ccaccaagtg tgccagggcc      1500
aagtgttcag gctctcccag agcccagtgg tgagccagaa gggcattttg tacaaggata      1560
atggttactt tttggccaga gcatcacttg gctccaaatc ctgggttccc gtatcatatt      1620
ttcttgtcag gacttaccgc aagctatgta tggctccgcg gtatgccacc catggaaaga      1680
```

                                    333

```
cacctcatgc accattgacc tgccaggtca cgtggcctga tggcagcgtc ggctgcacaa    1740
aagactttcc cagctgcaat gccttcgcct gctctaggcc caccccaaag ctggcagtct    1800
tctaggtcag ttggtaaatg ggttagaaca agatgcccca aagtggcata aattgcatgg    1860
aattaggcct tagtggcgag ggattcgaca tacagtcatt tgtcctacat tgtgaaggaa    1920
acattctgac ctcaaacaga tccctcaacc ccagaacttt atagaagggg cagaccttgg    1980
cattttcaca tgatttatct cccactctga ttcacatatg tttgaccaag gcactgggca    2040
gctgccaatt tcccgtccct tctgtagtcc cagatgaatg gatacagacc tctttgggga    2100
aggctgcaag gaaggttcac aacatgcatc taagtgttaa aataagtttt tccttcaaaa    2160
atacatttga cttcctctcc atttaaggtc tggaaatcaa gtgggagatc ttgactttac    2220
cttggcactt gagacagaac tgttggccca gaagtcttta gttaaggtca ttactaggcc    2280
atatcttagg ggcgtctggc cttttтcatt cctgggaccc acagctcgag gtctggtttc    2340
catgccctat cccttacgat gagcgcccta ttttgttcct tctgtctatc tctgttgctg    2400
agatcaggga gcccacgttc acagcagctc tttcaagcag cctcccaggc ctagagagga    2460
aaatcagcag agcctcgtga atgtatttct cgtggcaaga agggagctca tcttctgggt    2520
cctgccagag ggcagtgagg gggttgatgg gctgggtgca tgccagggac ccaatcaagc    2580
attttтatct tctgaaatct ttgaattcct gcctttcttg gatgtttggt cttttgatat    2640
aatttagcat gggccaacat ttggtccaga tttgtattag ccaagccctc ctaaaatagt    2700
aataacagta tctggcgatt tgagctttta cgtagaatgt agaatctctg gtgagtgaac    2760
atatcaataa agacaacctg aacc                                          2784
```

<210> 541
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(446)
<223> similar to gi181400 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 541
```
ctcacgcgtt cgggtatgga ggagcatcac agctgttaca gtgacccaga gcctcccgag      60
tccccttaag ctggatgtgc acaccaacac ccaggctgta tgcaccccgg agaaattgca     120
gatcaagacc ctaaacaagt ttgccccctt cactgagaag gtacccttcc tggagcagca     180
gaacaagata ctggagacca agtggatcct tttgcagcag caaaaagtag cttggagcaa     240
catggacagc atgtttgaga gctacatcaa caacctaaag cagcaactgg acacactgag     300
ccaggagcag ctgaagctgg aggcagaact tggcaacatg gagagaccag tggaggacta     360
tcagaagtgt gaagtttaaa taaccaagcc tacagagatg gagaatgaat ttgtcctcat     420
caagaaagat atgaatgtag cttc                                          444
```


<210> 542
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(759)
<223> similar to gi5305335 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 542
acgggcccca gtgcccctgc tggagccggc ggtgggcacc tgcggaagct gattctcccc   60
acaccccgat gcaagggaaa cgtccgcctg gaagcctggt cgctcctgct gctcttgtga   120
aagcggccca gggagcgctg tgtccctcag gcactgtggt tcctctcccg cgcgcagctg   180
tccgatgtgt cactgtctgg ttcaaagtca ccgaggcctg tgccctggct tctcacgcag   240
caggcagcac agagatcccg gctgcaggct ccaggcagcc ctgacagcag tggagaaagg   300
atggggcgga ggtgaaggca cccggctggt gtccccgtca gctcctccct gaaccagccc   360
tcaccatgtc aagtgctgcc ctgccctgcg gaagccgcag ccagcgccgg gccggcccat   420
cttgcgaagc acagttcagg aaaaaggccc aagttccgca ccttctccaa ggatctgggc   480
gcagcttcaa ggccgccagc gagggccctc agcagggtca gctctggggc ctcagccctc   540
cctgtccctc ctgttcgctc cccgcccagc tccaacgtcg cccctggga aatcttcatg   600
ccctggcaca cgcacgggtg cctccgcggg cttcagtgcc ggtccacacc cttccgctac   660
gccctggcgt ggggttcgcc aagcgcacaa agccacgtct ccccgcgggt gagcacccca   720
gctgaagagg caccacgcac tgctgtgagc tatcagcttg tgcagtttca gcgcc   775

<210> 543
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (120)...(691)
<223> similar to gi1072250 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 543
cgggcttcct ttcttgaaag tggtgaaggt acagcatata gctgtatgga agaaacagta   60
atcggatggc taccttctac attttgtatt aggaaacaaa gtccattgta agagtccatg   120
ttgatcttgg aaatagaagg attgaaaaaa gctaaatttc cacaaagaac aagaacttga   180
ccatctcctt tttgatctga agactagggg acaatggata tcatagagac agcaaaactt   240
gaagaacatt tggaaaatca acccagtgat cctacgaaca cttatgcaag acccgctgaa   300
cctgttgaag aagaaaacaa aaatggcaat ggtaaaccca agagcttatc cagtgggctg   360
cgaaaaggca ccaaaaagta cccggactat atccaaattg ctatgcccac tgaatcaagg   420
aacaaatttc cactagagtg gtggaaaacg ggcattgcct tcatatatgc agttttcaac   480
ctcgtcttga caaccgtcat gatcacagtt gtacatgaga gggtccctcc caaggagctt   540
agccctccac tcccagacaa gttttttgat tacattgata gggagaaatg ggcattttct   600
gtatcagaaa taaatgggat tatattagtt ggattatgga tcacccagtg gctgtttctg   660
agatacaagt caatgtggga cgcagattct g   691

<210> 544
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(471)
<223> similar to gi2570933 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 544
gtcgacccac gcgtccgccc acgcgtccga cggcacctat cgtcaccact ccagtgacaa   60
caagaggtgg aggaagaaga tcatagagaa gcagccgcag agccccaaag cccctgcccc   120
tcagccgccc cccatcctca aagtcttcaa ccggcctatc ctctttgaca tcgtgtcccg   180
gggctccact gctgacctgg acgggctgct cccattcttg ctgacccaca agaaacgcct   240
aactgatgag gagtttcgag agccatctac ggtgaagacc tgcctgccca aggccttgct   300
gaacctgagc aatggccgca acgacaccat ccctgtgctg ctggacatcg cggagcgcac   360
cggcaacatg cgggagttca ttaactcgcc cttccgtgac atctactatc gaggtggggc   420
cccgggctgg gcaggggtgc cacggggggct gatggagacg ctgtcctttg cttgtctgac   480
tcctgagact tttgatctgg gcctaagtgc cagcatgtac ccaggacctg acaaatggat   540
ggatggatgg atggatggat ggatgcatgg atgcatggat agatcgatgg atgaaggaac   600
ggtaactacc ccttccaact ttgtttcgag tttcagaata gaagattcca ctgggtgcgg   660
tggcttctac   670

<210> 545
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(478)
<223> similar to gi1335196 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 545
atgtctggcc aaataatggt ttttaatata atgattattc ccagaaataa aggttatttc   60
agaatgataa aggggtcaaa taatcaagag gacaaaactg taaatgtttc tgcatctaat   120
aacagtgcct caaaatacag gaagcataaa cagacagaat tttaaggaga aagagaacaa   180
acccataaca atcattgcag acttcaacac tcctttctca gtaatcacta gaacaagcag   240
acaggaaatc agcaaggata gggaagacct taacacgatc aaccaacttg acctaattat   300
tatttatgaa acactttacc taaaggcagc agaacacatc tttcctatta caaactgaac   360
attgacctaa acaaacaatg tttcaggcca tatacaaacc tctacatttt tttttaattc   420

```
atcataacga gtatgttccc taaccataat ggaattaaat tagaaaccaa caacaaagat    480
gtctgggaaa tccctaaacc cacgcgtccg cggacgcgtg gg                        522
```

```
<210> 546
<211> 1629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(1629)
<223> similar to gi1017722 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 546
accgggttag agagttttca gaccttactg cccatttttt attccatagt ggagagaaac     60
cttatgaatg taaagaatgt ggcaaagtct tcaggtacaa gtcttctcta accagtcatc    120
atagaattca tactggagag aagccttaca aatgtaacag atgtggcaag gtcttcagtc    180
gcagttcaaa cctggtatgc catcagaaaa ttcatacagg agaaaagcct tacaaatgta    240
atcaatgtgg caaggtcttt aatcaagcat cataccttac aagacatcaa ataattcata    300
ctggagagag gccttacaga tgtagtaaat gtggcaaagc atttcgaggg tgttcaggcc    360
ttactgccca tcttgcaatc catactgaaa agaaatctca tgagtgtaaa gaatgtggca    420
agatcttcac tcagaagtct tccctcacca atcaccatag aattcacatt ggagagaaac    480
cttacaaatg caccctgtgc agtaaggtct tcagtcacaa ttctgacctt gcacagcatc    540
agagagttca ttcatgagag tccctacaaa ctgtgtatgg caaaaccatc atcatgagtt    600
ctagcattaa tcaacatcag tgagtccata ctaagtggaa atcatataaa tgaaatgtat    660
gtgacacagg ctttatcaag gcctgccaaa tcactggaca tcaccacatc actgtggagg    720
atgaaagcac acagatgaat tgtgtgtact tgggctatta ttcaaggacc attgctatag    780
aacacgatag gatttacaca agaagtaact ctgtctctgg ttctctgata ctaatctatg    840
atattgcatg atgcagaata atgctaagtc aaaatatgtt gaatctcatg acctgatgta    900
tatcaaaggt gcaacggctt gtaaatgacc agttttattc aggctataaa gcattcaatt    960
atttggggct tatagaaaag gctactttac tctttgtgac ttcgaaatct tttcatgtgc   1020
cttccataca ggccattcac tgtggtccct gggaaagaat cagtaggatg acagggctga   1080
cttcattagc tgaggattat ttctatccaa tttcctgatg aaggacattg ccttttgaga   1140
ttaaatattg tctgatttag agagcatgga ggtgggcaga gtaacataaa actgatgacc   1200
gtcatcatac tgttgcagtt agcacacttt ctcctgacat aagtgcacag agcttcagtg   1260
tccaccaact gaccatgaaa tagagtatgc tgtaatctta aggcataggt tattagtggg   1320
aagagagtaa taggttgcta gtgtctgatt atatggtaga aataatgcaa ggaaaaaggt   1380
agccaccttc tccattgaac agcagtacct gctgtttagc aaagactgat gagaagtaga   1440
cttttttttt tttggaaata aagtctaatt ttgttgccca ggctgaaggg aaggggggg    1500
ttttggtta atgtgcccct ccgcctcctg ggctaaagca gcctttttgc cttaccctcc   1560
taagaagctg aaactacaaa cgggcccccc caccccagt taatttttgt tttttagaa    1620
aagacgggg                                                          1629
```

```
<210> 547
<211> 732
```

337

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(324)
<223> similar to gi2072951 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 547
gtaaataaaa tagagaatag aaacacgata gagaatatca gtgatacctt aagatggttc   60
tttgtaaagg gcaacaaaat ttacaaacct ttatagctaa attgattaag aaaaaaagaa   120
agactcaaac tattaagatc agaaatggaa gtgggatatt attactgatt ttacagaaac   180
caaaaggatt ataagaatac tatgaacatt tgtacaccaa caagttggat aacttagatg   240
aaataaacac atctcttaaa aaagccaaac taccaaaact gacacaagta gaaatagaca   300
atttgaatag acttataagt gaagaaatta gatttaatct cttgacccag ttatctgtgg   360
attttttagtc cccagatagc ttttatgaat actgctcact gcttttcctg ccctcattcc   420
atgttatgtg agatagagac aagcaagtcc atccttcagg tatcctccag ccagcttaga   480
acggacatat acaataattt gcaaataaaa ctatgttccc tccagttcca taaagggaat   540
tgggaactag gcttctgctg ctcaagacca acagtgctgc tgtacttagg agcagatgaa   600
agggtgaata caaactccaa aaaacgtttc tactgttttg aacatgaatt ctaggtgaac   660
aggtttcatt ttctttcatt actataaaga tgtcactcca tagtcttctg cctttcatag   720
tctaataaga ag   732

        <210> 548
        <211> 530
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(531)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1)...(407)
        <223> similar to gi854065 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 548
tgtgactgcc tggcttttga gtttgtgtga taacatgtga gtgtgtccat ctggctgagg   60
gaatcaaagt gtccacggcn atctagcagt gtgtgacggg tcctgagtgg gtgaacacgt   120
tgacatttcc aagtatgtca gtgtttgtat gaatgggtct gtgaatgtgt gggggttggc   180
ttcccggagc acagtgggtc tgtgcgcctc tgtgagtaca cgtgtgtgta ctacatgtgt   240
gtgtccgtgt ctgtgtctat gtatgggcag attaatcata atttctgttg gtgaatgtgg   300
gtctgccagt ggtgcctgag tgtacatgtg tctgtggtat gtgctgtgcc tgcgtgcctg   360

```
gatccgagtg tgcatgtgtc tatgtgtgtg tccacacgtg tatggcagtg agagagactg      420
acccagtgtt gcctgatgtc tgtgaaatcc acgcagctcc tcgtttaact ccatcttgcc      480
acttgtttgg ggtccacacc actttccttc gaattccacc acacggacta                 530
```

<210> 549
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(727)
<223> similar to gi2623162 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 549
```
tggtggaatt cgattaatac agaaactgac atggcgatca agacaacagg atcgagaaaa       60
ctgtgctatg aaaggcaagc ataaagatga atgccacaac tttatcaaag tatttgttcc      120
aagaaacgat gagatggttt ttgtttgtgg taccaatgca ttcaatccca tgtgtagata      180
ctacagggta agtatatttt atgtgatatg cttcttttga tcaacttttc tcccttcact      240
gatatgctgt tagagttgaa atctttctgc tttccagtaa tttgtttat ctctagtgca       300
atgaaagaat aaagacagaa ttcttcaaat ggaattttaa tacaaataaa atagtattgc      360
cttcaaacgg gcacgttgaa tagatatgac actggctatt tactttcctt ttgtagttga      420
gtaccttata atatgatggg gaagaaatta gtggcctggc aagatgccca tttgatgcca      480
gacaaaccaa tggtgccctc tttgctgatg ggaagctgta ttctgccaca gtggctgact      540
tcttggccag cgatgccgtt atttatcgaa gcatgggtga tggatctgcc cttcgcacaa      600
taaaatatga ttccaaatgg ataaaagagc ccactttctt tatgccataa aaatggaact      660
atgtctattt ttcttttcga gaaatcgtgg caacataata attaggcagg ctgtggattc      720
ccggtggccc gatatgaaaa acaactggtt ggtcccacgg tctgagaaca ttgat          775
```

<210> 550
<211> 1699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (75)...(1570)
<223> similar to gi2920537 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 550
```
ttttttttt ttaaataaag cgtttattga ttagtagaag catgaacagt gtgcataata        60
```

```
ttttcaatac aatatcaggg agggatgatg ggaacccctc aaaaggcact agaggcgcag    120
atcttcggga caagagggaa gagatgcgcc agagaccagg gctggggcag ctggggggtcc   180
ctgagtgcca ggcgccacca cacgtcctgt gggtcaaggc ccctcctctg gggagcaggt    240
ctacggcacg gaggatgcag ggctgggagg ggaccccacc tcggggaccc aaaaggagtc    300
catttcttgc cctgccccc gcaaagcagc atggggaggg ggccctgggg gttccttggg      360
gtggggggtt tcccagggcc tgggcccatt cctggcttgg acccttgtcc cagggaacaa     420
gaagcttgag gagggacgaa cagccaggcc caagagtgat ttacaaagga cattccaaag     480
aagggatttg gtttttttcag agggggggtga cttggtgact gagaggcagc agaggccaaa   540
gcctgacccc agaccctcag ggagggccca cccaacctgt accctcagg agccccgtcc       600
ggctccccag gcaaccactg aggacctcgg ggtggcctgt agaagacaga acccagcccc     660
attcacccc ttgctgccgc tccatcccca accaccagag ggacagggac cagagggaga      720
cctgtgggcc aggcgggcag gagggaggca ggctgggggcc gggagaaggg gatacacagg    780
cccataaaac ctcaggctcc ccataaccct cactcagcca tctcactcac tcactcactc    840
ccagcatccc ccaggatggg ggtcccctcc ttcactcagg acacttcccc tccgcagacc    900
tgcacgttct gggcctttct catttcaccc caggcctgcc caccccatga ggcaccccct    960
aaatctcatc tctccaccca gcacccccag cctggctcca gcctgaagac ccctccttc    1020
cccttccctc cagaacagtg gggaaagcga ggctcggtcc acccctaact gcggaaggag   1080
cagggccagg agggcagcag tgctccctct cccggtcctg gcccagccag ctcctgggtg   1140
agtgggcggg aacccactgg gctcacacca gctttcacct ccctctctcc aggaaggatg   1200
gcagcaccca tgaggggatg gaggccacag aaggacagga agggaggggc tttccagccc    1260
cccagcagtg tccagccctt ggcacaagca ggaaaacccc aaaaccagcc cctgcatttg    1320
agatcatccc acagaagaga aaacagggag caagaaagtg ttgactgaac ccaataaagt    1380
gactcaggtg ggcccgctcc ctggcggtgc cacacagccc tgccccgcct ccacccacaa    1440
ggcacagacc agggtgccct ccccagagct gagcctgcct gggtccggaa gggaacggcc    1500
tgtgccatgt gcagcagtca gggacccact ggcctagaac tcagtctgca cccctgcact    1560
gtcctcggtg gtggtgtgaa gggcggggtg actactgggg ctggacacct gctctccagt    1620
ctccagatcg ataagcttgg ggggaacaag gtccacagcc tttccaggca ggaggtgggc    1680
agaatttccg acgctctat                                             1699
```

<210> 551
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(772)
<223> similar to gi5689485 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 551
```
atacaaggct caattccgaa ctgttgaagg aagaagaaag caacaaaaga ctggaagctg     60
aaattgaatc atcagtctag actgactgct gctataagta agcacagtga aagtgtgaaa    120
acagaaagaa acgtaaaact tgcattagag tgaacacaag atgtttccgt acaagtaaaa    180
atgagttctg atatttccga agtagaagat aagaatgagt ttcttactga acaactttct    240
aaaaagcaaa ttaaattcaa taccttaaaa gataagttcc gtaagaaaag agatactctc    300
agaaaaaagt cattggcttt agaaactctc caaacgacct aagccaaaca cagcagcaaa    360
taaaggaaat gaaagagatg tatgaaaatg cagaagctaa agtgaataat tccactggaa    420
agtggaactg tgtagaagag aggatatgtc acctccaacg tgaaaatgcg tggcttgtac    480
agcaactaga tgacgttcat cagaaagagg atcataaaga gatagtaact aatatccaaa    540
```


340

```
gaggctttat tgagagtgga aagaaagacc tcgtgctaga agagaaaagt aagaagctaa      600
tgaatgaatg tgatcattta aaagaaagtc tctttcagta tgagagagag aaaacagaag      660
gagtagtggt tgtgagacaa cttcaacaag aagtggctga cagcgtaaaa aaattaacga      720
cgttagagtc tccactggaa ggtatatcac gttgtcatat taatttggtt gagacacagg      780
cctcaaa                                                                787
```

<210> 552
<211> 1438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1439)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (204)...(1434)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 552
```
tttttttttt ttgggtgata gaaagtnttt ctttatttga atgtcattcc acctgcactg       60
aagcttaaac ccagcagcag cagaaggggt caggaccaaa ataaatgtta ccaaattaga      120
caatgaacag cgaggacaca ctcagacaaa acttactaat ggggtataga caacaccaag      180
ctatcctaac agcacacagc acaggccctc ggaggcctgc ccatcagagc tctgcggaag      240
gctcccttgt tccctgttca ggaaactcca gtcccaccca aaggttagct gtgggccagg      300
caggggcctg cagaagtttc tggtgctggg aagatcccag cttctccaaa gacagggttt      360
cccttctct ttctcagttc acactggaag ctggagaaag gttattcccc gtgtgcccaa      420
gcaggatgct caaaaggcca gggactctcc ccacagcctt atctaaaagt tctcatcatc      480
ttgggctatc aggcctgaaa aggatcttga ttctttggtc cctcacccccc ctcaaggaaa      540
gttttcccтt ccatgggtac cggtccccaa agacgaaagt tttcatagcc ccggttccca      600
gaaggactca actgaccaga ctgtgggcca gggactgaac cacccctagg ctgtggctgc      660
cgtggcctct cctgagtccc cagatcaggc agagaaaagc gggcaatggc agacccctga      720
tcacagttag gggggtcaca gttaggggg gacttctctt gggacctgaa gccggaaggc      780
tctaggttgg ggcccaacaa ggccctcctg gggtcagaaa caggcactga tctcctctgc      840
ttacctcctc ctgaaggcta aagccagatc gcccgacgag agcagaggca aaccacaaag      900
ccccttccc atgatgtctt tattgcccca ggagggccat cagggcctca cctggggccc      960
ccactggagc acctgccacc tgccccatcc acacctctgc agaacccagg gccccagtct     1020
atggtttggt ccccactctg acttctaccc cttgcctgtg tcaccctggg gttcccgcag     1080
acttcagccc acacaactct gccttcctga ctccaaactc cctggtgcat ctccccctgg     1140
ctctgccaag atggcagctg gccaggtgcg gtggaatggg aatgttgcca ggctaccca     1200
ccagggaact agcctccctc ctctccaccc ggcgctgacc cactcctaag tcagctggac     1260
ccactacgtc ctctgaagtg gcttccttca ctccagttct tcccaaaagg atgcggcctt     1320
ggctgcctgt gccccgggcc tccagcctct gaaaggtcag ttctatcccc cgcaccaggg     1380
cacaggtttg gtgggtgtcc ttggggaaca aggtgtggca aggacacctg gtggcagg      1438
```

```
<210> 553
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(799)
<223> similar to gi2072948 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 553
gtagcacaat acttgatgtt agatttaatt acattaaatg ctctttggac aaaatgctcc      60
agttaaaaga caaggtgtgt tttatatgct attaacaaaa aaaaaaaatg aaattaaaaa     120
tacacaattt acaatagact aaaagaaaca taaaatattt acaaatcaaa cttaagataa     180
gcaagaccac aatggacaaa aatataaaat cctattggta aaccttaaag aagacccaaa     240
tggaaagaga ggtaaaccat gttcatgaat cagaaaactc aatattgtaa agacgtcaat     300
tttcccaaaa ctgattgata gctataataa attcccaaac tatcaagtgc atcattgttg     360
ttggaattga caagctgatt ttaaaactta tatgggagaa aaaccttaca tgaaaataca     420
aagagccaga atagtcaaga cactctcaaa gaagaaaaat aaggtggaaa agacttactt     480
tatcagatct caatacataa ttgataataa tgaagacagc ttgatattgg cacaagaaca     540
gacagactaa tggaacagag gaaagaatcc aacaacagat ctacatatgt catatgtgga     600
catatgacag aggtggcatt gcagatgggc gcagaaagtt agattacaaa caatgatagg     660
acaggtgtgt aaccctatgg agagaaaaaa atgaaagtga atccttacct cacaccatat     720
gcaaaaaacc aaatctaggt gaattaaagg cctaaatatg aaatttacat ttataaggat     780
ttcagaatat aatctaagag actatcttca cggacgggtg ggtcgacccg gaaatgaca      839



<210> 554
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(373)
<223> similar to gi56589 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 554
attctttgta agatacaacc ctcctagctt aaatcaggaa gaattagata ccccgaacac      60
tccaataaca agtagtgaga ttgaaatggt aatttaaaaa ttaccaacaa agaaatgtcc     120
aggaccagag agattcacag cagaattcta tcagacattc aaagaagaat tggtaccaat     180
cctattgaca caattccaga tagagaaaga gggaaccctc cctaaatcat tctatgaagc     240
cggcatcacc ctaatatcaa gaccagaaaa ggacataacc aaaaagaaa ctgaagacca     300
atatctctaa tgaacacaga tgccaaaatc cttaacaaaa tactagttat ccaaatccaa     360
```

.

<210> 555
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> similar to gi2072961 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 555
aatgtaaaca cacctgacac aggagcccca gttattaaag taagagttat tcgagcaaca   60
gacagagaca gacaataata ggtggggact ccaacaccca ctttcagcaa cagacacacc   120
ctctaggcag aaaagtaaca gaccagactg actccaagag aagtcaaagg gacctcacag   180
gtaattacag aacatttcac ccaccaactg cagaacgtgc attcttctca tcagctcaca   240
gaacattctc caggatagac cacattttag gccacaaaac aaatctcaaa agagcattta   300
aaaagtgaaa atcatagcaa gtatcttctc agaccaaaga gaaacattgg aaactctcca   360
ggtacatggt atataaataa tggtaatggt cagtgaaaaa atcaaaagga caaaaacatt   420
tcttggaaaa aaaaggaaac gagagaaaaa aatgcatata gtaggtgttt ttgaagtaaa   480
aaatacagag caataaaatt caaagataca atgaaagaaa   520

<210> 556
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(659)
<223> similar to gi19927 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 556
cctctgcccc atgggactcg ggcccttgg ctcgtcctgg ccagatgcct ccaaggggtc   60
tgtacgctct cctcgcacct ctggagagcc ccttctcgcc ctgccccagc ccctcttgag   120
gtcctggccg cctggcttct ctgcttccta tcagcaagag ctccttccgt gcccagcctc   180
cacagtgccc ttgttagggt gccggacccg ggcgccacct gggggcaggt ctcagcttcc   240
tctcacgctc ctccggcagt tccccatgca gatggccacg cctgggcccc tcctcctagt   300
ctgtgaatgt ggtctgtccc atggcacagc cttgggctcc cacatgcccc tcaggcctt   360
accaaccccca catgtttaag tgctgccccc ttcggggatg gctcacttgc tgggatcgcc   420

atcctccctt tgttcaggcc ggacccctca aagccacctc tgactcccac agcagggagc   480
ctgtcagccc ggtgctctgc cttcagaccc tgagccagcc ctccccaggg cccctgcac   540
ccatctcctc ccaccacagt agtgaccagc agcccggcct gcacctccag tcactgccca   600
cgaagcagcc cgaggcaggc gcagggaagg agtgggctct gactcctcag ccctcctggg   660
aggagggagg cctgacacca cactcagttc taatactcct ggcccggacg cgtggg   716

<210> 557
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(678)
<223> similar to gi56689 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 557
tgctccgtga cctggaagga tcatattatc tccgacagga aagggatggg ctttgtttg   60
gtccatatga aagtcaagag aaaatgaaag ttcaggactc ctgggtcacc aatggagttc   120
ctccaggttt tggaaaggaa ctctttgagt ctgatctaga tcgaatcatg gaacacatca   180
aagctgccat ggaaatggtt cctgtcttga aaaaggctga catcatcaat gttgtcaatg   240
gtcctatcac gtattctcct gacattctgc ctatggtggg gccccatcag ggggtcagaa   300
actactgggt ggctataggc tttggatatg gcataatcca cgctggtggg gtagggaaat   360
atctcagtga ctggatcctg catggagaac ctccttttga tctgatagaa ttggatccta   420
atcgctatgg caaatggaca acaacccagt acactgaggc caaagcaaga gaatcatatg   480
gattcaacaa tattgttggt tatcctaaag aagaacggtt tgctgggagg ccgactcaac   540
gagtcagtgg gctctatcaa aggctggagt ctaagtgttc catggggttc catgctggct   600
gggagcagcc gcactggtta tcaaaccagg ccaggcacga atcgtgaccg gaatcgtgac   660
ggtgnnnnng acggtttc   678

<210> 558
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (702)...(27)
<223> similar to gi3153821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 558
caggaggcag ctccgccaga gacgcgggtc gtgcttcggg aaaccggggg gcgggggggag   60
gggaagagcg cagaaaagaa aacccaccaa ggcggggact ggcctgagcg gggaggggcg   120
gcgaggccgg agcccctctc tgttgggcgg actccccatg gccagaggct gagctccact   180
cccgccggcc gctccctagg ggaaggggaa ggagaggggga gagcagccag cgcccagggt   240
ccctctgtgc tttttcgctt tcctaagctc ctgtcgctcc tctttgtccc ctcagtttat   300
gtcctcctgt gctcacctcc ctgacctctg tgaccttgca ctcccctggc ctgaagctgc   360
ctctctgcgc gctttctact gggctcgtct ctttccggag ccccagcgtc tcctgcccaa   420
attcaccgcg gaaagggccc ggggcggagg tgcgaccggg cgtcggcagc gcagacctct   480
tggccttctc tcacaggtcg gtgcgctcgc tctccgcgtt ccccgcccga ctgccgtgca   540
gtccatggct agacgcgccg gacaggactg atggcgggac cgcgctgccc gagaaaggga   600
cggaccaata cgtgtgtttg ctccgcgaac cctcttgaag ctgttcagaa gccgcttgcc   660
gcggggccca ctaggcgggg cggnggttgg gacccagcgg ga   702

<210> 559
<211> 1465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (49)...(1465)
<223> similar to gi3941326 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 559
caagctgacg cctcaggaga agctgaaact gaggatgcag aaggcgctga acaggcagag   60
gccatcaagc atgccaaggc tcttgaggag gagaaggcca tgtactcggg acgccgctct   120
cgacgccagc ggagagagtt tcgggagaag cggctgaggg gtcgcaagat cagcccaccc   180
agctatgccg gccgagacag ccccacctat gacccctata agcggtcacc ctcggagtcc   240
agctcagagt cccgctcccg ctcccgctcc ccgacccccgg gccgcgagga gaagatcacg   300
ttcatcacca gttttggggg cagcgatgag gaggcagccg cagccgctgc tgccgcagca   360
gcatcaggag tcaccacagg gaagcccccc gcacctcccc agcctggcgg tcccgccccg   420
ggacgtaatg ccagcgcccg gtcggtaacg ctcacgccgc ccgccctacg ccccggtcac   480
catggggggt acccggagca gaggggggcc gcggctcatg cctgcgctga ccggccctcc   540
gtgccccgcc tgcagccgcc gctcctcctc ctcctcctcc tcctcttctg cctcgaggac   600
ctccagctac cgctccagct ctcgctccag ctcccgctct cgccgaggtg ggggctacta   660
ccgctccggc cgccacgccc gctcccggtc ccgctcctgg gcccgctccc gctcccgctc   720
ccggcgctat tcccgggccc gtagccgcgg ccggcggcac tcaggtgggg gctcccgaga   780
cggacaccgg tactcccgct cgcccgcccg gcgaggaggt tacgggcccc ggcgcagaaa   840
caggtgtgtg tggctgggcg tggaggtggg aggggctggg ggggcgcggt ctccgatcct   900

```
ggggagaagg tgctcagagg gaggaaacct ggccgtccag ctcagagaac accccatcta      960
aggggacagg cacaggccac tgctcttccg caggaagccc ttggttggaa agggcaaggc     1020
atgggtgttt gcgtgcgcgt tctggtggca gtggaggtgg atcccagccg ctgtttccca     1080
cgacagggtg tggagaggag actgtgcatc tctctctcct caggagactg tttttgctgt     1140
caggggttcc aggtggaggg gagtagaaag cgcatggacg ctccagggtt ttctgtagct     1200
tgaagggacg ggtccgggcc ttgagggctg ggaaacccct tgcggagggg gaggggcgcg     1260
ttcctgtgtg gccaggagcg gatggggaag cgaagcgggt ggaaaaaatc aagacagctc     1320
tttggcctgg cgtggtggct cacacctgta atcccagcac tttgggaggc cgaggcaggc     1380
ggatctcctg agctcaggag ttcgagacca ccctgggcaa catggtgaaa ccccgtctct     1440
actgaaaaaa aaattagctg ggtgt                                           1465
```

<210> 560
<211> 1297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1207)...(674)
<223> similar to gi4050088 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 560
```
tttttttttt ttaagggata gagtctatgt tgcacagtct ggtcacaaac tcctggcctc      60
aagtgatgtt tcctcctcag cctcctaaag tattgagatt acagctgtaa gccactatac     120
ctggcctcaa aattatatta atgtctatta gttaacttga attgtttgtg cttgtcttgt     180
tggttttaac cctacttata tacaagaatt caaaagtatt ttcaagccct atcatttagt     240
tgtaaaatat acccaactca catttataga ctgccaacta acttgaatgt ttgtacaggc     300
atttctgctg tgatgccatg tgtacctaaa taaaactcac actctataaa atcacacact     360
aaattaaatt aacagggcta tagaaaaaaa gagttatagg cttacctctc aaaatctata     420
gacttttgtg actagaaagc actaaaaaac agcaataata tcatataaac agtattactg     480
ttaaatctct ctgctagcat catagtccgt ggatgctttg cagccttaag ccctgggacc     540
tctgctgctt cctttaagat gcaggtactt gattcatttg cttctcaaag agatcagatg     600
catcagaatt aaaaaggtat ttcaggatgg gaggaagggg gtaagagatg tctctgcagc     660
ttcttcaact gcactctgat tcctcagata gcttactata atggagtaaa tatttttgaa     720
gccattaaac tagccactct aaaggaagcg gtttttaaga ttttcaactt tgttataagg     780
ttttatattg ctaagggttc tctttgatta tgagaaaatt tacccctggt agcttcaaaa     840
taataccttg ttgggaaaaa ctgcattcca taaatacaca ctgtagaaca gattgtacct     900
ttcttggcat cttgcatttg tttcatgatc tcctctcttt ctgcttgttc agtggctgtt     960
gtgacacgga atgatccttc tcttgtaaaa gtggtccgac tagcatcaaa agtagcagtc     1020
actccacatt ccttctcccg cttctgcttg cgctctaaac aggctgcaaa agcacagcct     1080
actgcatggc tcaacctttc accctgtaag agcagatttt aaaagctttt cagaattaca     1140
ctactaacaa ttacatacaa ataagtcttt tgttttgttt tgtttttgag acagagtctt     1200
actgttaccc aggctggagt gcagtggcgc agtctctgct cactgcaacc tccgcctcag     1260
ggctcaaata cttctcgtgc ctcagcctcc tgagtag                              1297
```

346

<210> 561
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (234)...(1161)
<223> similar to gi3873550 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 561
```
tcctaaagtg ctgggattac aggtgtgagc caccgtgcct ggcggacata gtcttttaca     60
aatcctgtta gtaaacgtca catcattcac aaactcatcc tttcagcaaa cactgagcat    120
ctatcctgct agccacagtg ccaagcggtt taccttgatc caagctatcg tctatttctt    180
ggaatctcac tcttcgctta gatggtttgt gttgcatttg ggcaggatga tctcctacag    240
tatcattcct cttctttaat atggagacca atccttcagt aggaacaacc tctgcaatct    300
ctatcctttt ggcaagatca tcaagagaaa gacagctctc atcagaaggc agattctcct    360
ggagactata ggatgcttct tcaggagaga gatcttgaag gagatcggag tcgtcgtctt    420
ggttatcttc ataggaaagg gaatcttcag tatctttaa acatcctttt aaaaggctgt    480
tcaaatagtc ttctgtttct ttgttgagtt ggtcgtcttt atctcccttt tcctctgggg    540
ccatacacac ctctggaagc agtatgccta agtcagatat ttgattattt ccacagagca    600
cattctcaga accgtctgag tcagcctgcg cctgtggtga ttttccatca ctgtctgtaa    660
gatcaggctg ctgcagctca tttaattcat tgttctcaag ttggtctgtg ggcaacgcct    720
cagaagcatc ccgaagtggc aaacggagtt ctttcctctg agcctgtgaa tatttaccct    780
cagaaatcaa tgcaggaggt atacggtcac agcctggtga aatcaacggc tctgtctttg    840
acttgctgga aagaaacacc ttagggtctt cagcaatgcc ctctattctg gccacatcct    900
ggcaggcctc tgtttgagcc agctgcaagc gactgtcatc ctcacaagca tcctcagaag    960
agtctggccc agacgggctc cctgctgtct cggaggactg ggtgtggagc gctaacgtgg   1020
cttcagcgct gcagagcagc tcctccatgt ggtcctttcc tgcagttacc gaaaggcttg   1080
gggaatctgt ttgcacgtcc atctgatgac agcagggact gctccccagg ggctccactg   1140
tatgttggct ttctttactt gactctgtgc cgagacaagt tttactctct aaagatgaag   1200
aaaaataaat tgttaaaaat tcaaaacaac actttgtata ggaaggaaaa gaagggacat   1260
atgaatatgt gtaatacagc aatattctaa cccttcaaa tggaaatctg tctgttgcat   1320
aatagtgt                                                           1328
```


<210> 562
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(444)
<223> similar to gi56590 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 562

```
gcaatgacaa gatcccactg tacagctatt aagatggcca aaatccagaa cactgacaac    60
atcaaatgct gacggagatg cagagcagca ggaactctca ttccctgctc gtttgaatac   120
aaaatggtac agtcactctg gaagacaggt tggtagtttc tcagaagact cctggcatat   180
gatccagcaa ttgtgctctt tggtcgttac gtaaataagt tgaaaacgtc tatccacaaa   240
aaacctgcgc acagatgttt gtagcagctt tactcataat ttccaaacct tgtaagcaac   300
caagatatcc ttcagtaggt gagtgcataa actgtggtgc attcagacaa tagaatatgc   360
agtgctaaaa tgaagtgcgc tatcgagcca caaaaaccta accaaagcaa catggaggaa   420
ccttacatgc atatgttcta ccag                                          444
```


<210> 563
<211> 2320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2323)
<223> similar to gi4140029 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 563

```
gcggccgcag aagctgcggt tgaagccgtg ggcgcagatg tcaggcactg ccggtgccgt    60
cgtgccgtgg tacagcacct gctccaccgg gcgccgctcg catcgctgca gcaggcgctc   120
ccggtacagc tcatactgct gctgcagcag cgggtgcgac acgcgctcca cacgaacgac   180
gcggatgctg ctgcgggcag cgtccagggt gtcgtagaag gcccgcacca cctcctggaa   240
ctccccggtg ttctctgcca gacgctccag gttgttccag ggccccttca gcgtctgccc   300
cgccaaggta gggcctgaag ctgccaaggg aaaggccaaa ctctgatccc aggggccagc   360
cagaagtgcc accaagtggc gggcagcacg ggcagggtgg gccccgaagc cacggaggat   420
ggtgcagtca ccacgcaggg caacactcac accatggcac cgctccaggc gagcacgcag   480
ctctgcaggc agtgtgcggc gccagggccc caccgtctcc tcctggacgt ggacctccaa   540
ggcagccctg agcgcccggt ccagctcctc cacatcctgc tcaaaggccg agtgcaccac   600
cagctgggcc ttgccatcag tccccccatc tgggggctct tctgcctcca acggggggctg   660
ctccagcagg gagagggtta gggcttgccg cagggcagca gcctcctcct gctcagccac   720
ctgaccttga ggctccagtg accggtggag ggccagctgc agagcggcct cctcctccag   780
ccacctgggt gccacagtgc tgggggccac aggctcctcc tcctcatgcc ctggggtcac   840
ctcctcctct ggctgctcct gaggcccttc ctcctccagc tcccgaggca gccagtcctc   900
cccgtctagg tctaggccct ccagggtggc cagcagttct cggacctcct ccaggctcac   960
gtcctcctgg tcaccacctg tactgtctgg ggtccacagg gtgtgggcgt tgccagggag  1020
cactgggagg gcctcggtag ggtccacctc ttcaaggcct gtgtccaacg tggctgtggc  1080
caggcgctct gtcccaaaga cacactggaa ctgagcctcc agccctgga gaaggtgctg  1140
cccttctggg cccaggagaa acctggcgct gcccgggtgc tccaggcaca acacatggca  1200
gctaatgctg cccagcaggc tccgcagaaa ctcctcagcc gcctggcagg aagcctgggc  1260
tccacagagc cgaaagccag tcatatccgg tccttcaagt ggcaagagag cgacgtctcc  1320
caggcccgca agaaggtcct catggtagag ctgcaggaag cgcatcgccc ctggctccat  1380
caatagcacc atctccacca ggccctcctg ccctgccagc ttcacacatc ctgggctcac  1440
aggccctgcc ttctccagag accccatggt gatctccatg ggacccacca gcccctcttg  1500
ctctggtgag tccatggcaa tttccaccag gccctcctgc cccagcaacc ccttagaggt  1560
ctccactggg cctgcagacc ccacaggccc caggctcatg ggcccctcct gttcctgcaa  1620
ccccacaggc ctcaggctta ccagcccctc atgttccaga gaccccatgg gcatcgagct  1680
```

348

```
gacttgctct gcctgtccca gagaccccat gggacctgtc ctcagagagg tccctgactg    1740
ccctggttcc tggccagagc ctgttgtcat aatccctcta ccctgcacca tgggacctgt    1800
cctcagagag gcccctgact gccctggttc ctcgccagag cccattgtca cagtccctgc    1860
accctgcaga gccgtcacca accctccggt cctcaggaga gcatgcttgg tagccctagg    1920
cccctgggtg gacgggtggt cccctccact ggtgttctca gccagctcct cgggctccag    1980
gatgtcgtag tggggggacaa ggctcagctc tgagccctgc aaccggtgct cctgctgcaa    2040
cactcgttct gccacttgcc actgctggaa ggaggcaaca gtgcccaggg gcccgggtag    2100
gcgttgcagg tcctccaggg gcccccacc actgcggcgc tcattctcca ggtacaactc    2160
cagcaacagc aggtccacag aggcaccatc ccccaccaca cgcaccgctc gggcctgggg    2220
aacccgggcc agggacacca aggtcccctc caggcccaga ttctgggcct gctcctccag    2280
gacaccggac gcgtgggtcg acaaggaatt cggggatcgc                           2320
```

<210> 564
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(709)
<223> similar to gi2739353 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 564
```
tgcctgcggc accggccctt aatggccggg tcgacccacg cgtccgagaa tgtggcaaag     60
cttttaacca atcctcatac tttactatac agaaattcat actggagaga aagcctacaa    120
ttgtgaagaa tgtggcaaag cttttaacct tccttaaccc ttaactgtag ataagaaaat    180
tcatactgga aagaaaccct acaaatgtga agtctgtggc aaagctttta actgattctc    240
aactcttact acatgtaaga gtatttatac tggaaagaaa ccctacaaat gtaaaaaacg    300
tggcaatgcc tttaactggt cctcacacct tgctacatat aagacagttt atactttgag    360
agaaaccctg caaatgtgaa taatgtggca atactttaaa ccaatcctca aacctcacta    420
aacataagat aatactgaaa actttacaaa cctgaatgat gtgacaataa ttttgacaac    480
acctcgaact ttctaacata aatcatactg gtgaaaaatc ctagaaatgt gaaaaatatc    540
acaaagcctt taaatggttg tcacacttga ttgtaggtaa gaatccatac tgaagaaaac    600
tcctggaagt gtaaaaaatg tggcaacact tttaataaat gctcacccct tattgcacag    660
gaaagcattt atacttcaga aagattgtac aaatacaagg aatgtgga                 708
```

<210> 565
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(410)
<223> similar to gi3002527 in the genepept database release 114,

<400> 565
tttttttttt gagatggagt ctcgctctgt cacccaggct ggagtgcagt ggcgcgatct   60
cagctcactg caagctccgc ctcctgggtt cacgccattc tcctgcctca gcctcccgag   120
tagctgggac tacaggcacc cgccaccacg cctggctaat tttttgtatt tttagtagag   180
acagggtttc accatgttag ccaggatggt ctcgatctcc tgacctcgtg atccgccagc   240
cgtggcctcc caaagtgctg ggactacacg tgtgagccac catgcccggc cttgtttttg   300
tttttgccaa gtttcaccat gttgcccagg atatcctcaa actcctgggc tcaagtgatt   360
tttcagcctc agcctcctga gtagctggga atagaagagc atgccactgt gtctggc   417

<210> 566
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (670)...(652)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 566
tttttttactt tcttgatgaa gttaattctt catttaggag gctcagtgtt ctgaaaattt   60
gttcttttcg atgctataat aaacagaatt gttttcttaa tttccatttt agattgttca   120
gtgttagaag aaatacaact gatttttgtg tattgacttt gtatcctgct actttgctta   180
attggtttaa taattctaac agttttgtg tagaatcttt agggtgtttt acatataaga   240
tcatatcatt tgtgaacaag taattttgct tcttcctttc taatttggat gtcttttatt   300
tcttttttctt gcctaattgc tttgacaaca acttcaacta ttcagctagt ggtcatgttg   360
agtacaagtg gtgaaagcag acatacttgc cttcttcctt atcttagagg aaaagctttc   420
agtctttcac cactgagtat gatgttcact gtgtgtgttt tgtatatggt ttttcttagg   480
ttgacatagt ttccttctat tcccatgtgc acttgagaag aatgtgggtt ctgttattgt   540
tagagttctg tgtctctttg gtatattgag tttggtcatc tcctctattt ccttacttat   600
catatgtctg ggtggtctgc ccattatgga gaatgtggta ttgaagtctc cagctattat   660
tgtagaacca tttctttctt caattctgtc tcatttttgc tacttg   706

<210> 567
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

350

<222> (19)...(438)
<223> similar to gi1174092 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 567
caccatacta ttaaatttaa tttgttcagc aagattgcag gacataagat taatatacaa   60
aatcaatttt gttatatata cttgtaatga ataatatgaa ataaaataga aacaataatt   120
cgttttctaa tagcatgaaa aagataaaaa acttaggaat aagtttaaca aaagaagtgt   180
aaaacatata ccttaaaact ataaaacatc attgaaagaa actaaagaag acctaaataa   240
ctggaaaaac attccatgtg catggatcag aaaacaatat tttaaaaatg acagtactct   300
tcaaattgat ctacagattt aatgcaatct ctgtcaaaaa tctcaaatga attttttttaa   360
ttgacaagta gatactaaaa ctaatatgga aattcaaggg acccagaata gccatgacaa   420
tcctgaaaca gaagcaca   438

<210> 568
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(382)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 568
acaccatgat caagggattt atcccaggaa tgcaagggtt caacatacaa aaatcaatca   60
atgtaatatg ccatgttaat cgaataaagg gggaaagcca caatatcatc caaattgatg   120
cagaacattt tttttgacag attccaacat tcatgataaa aatattcaac atccttggaa   180
cagaaactcc ctcaactaga taagggacat ctatgaaaaa cccattgctt aacatcatat   240
ttactggtga aagaccaaat ggcttcccca ctaataacag gaacaagact agactgcaat   300
taccaaataa ggtatctgga ttggaatgga agaagtaaaa ctatctctat tgaaaaatga   360
catatccgga cgcgtgggtc ga   382

<210> 569
<211> 1172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(435)
<223> similar to gi559707 in the genepept database release 114,

351

```
        <400> 569
aggccgcact tactgggtgc actggcacat gctggagatc ctgggccctg aggaagccac     60
tgaggataag gcttcagcag ctgtggagaa gggggcaggg gctactgtgt tgggcacagg    120
tgagcctaag aggggacatg gatagcatgt ctctgaacag aggattagtg actgggatga    180
agccacttct gaccaggagc agccctaggg gtccagaaat agaccccatt cctgaggggt    240
gctgatgccc gccatgcctg tgtcctcagc atttccctcc tgggactgga atcctatgga    300
tgggctgtac cctttgccgt acctccagcc cgaacctcag aagaatgaga gagtgggata    360
tctgacccag gctgaatggt gggagctgct tttctttatc aaaaagttgg acttgtgtga    420
gcagcagcca attttccaga atctttggaa gaacctggat gagaccctgg gtgaaaaggc    480
cctaggtgag atctctgtgt ccgtggaaat ggccgagagt ctgctgcagg ttctcagtag    540
tcgatttgag ggcagcactc tcaatgacct gctcaactcc cagatctaca ccaagtatgg    600
gctgctgtct aatgaaccaa gcagctcgtc tacttcacga aatcactcct gtaccccaga    660
tccagaagag gagtccaagt cggaggccag cttctcagag gaagagactg agtccctcaa    720
agcaaaggcc gaggccccta agacagaggc cgagcccacc aagacaagga ccgagacccc    780
catggcacag agtgattctc agctgtttaa ccagcttctg gtgactgagg ggatgaccct    840
gcccactgag atgaaggagg cagccagtga aatggccaga gccttgcggg gtcccggtcc    900
tcgcagctcc ctggatcagc atgtggcagc ggtcgtggcc actgtgcaga tatccagctt    960
ggacacaaac ctgcagcttt cagggctctc tgccctctct caggctgtgg aggaggtcac   1020
tgagcgggac caccctctgg tccgtcctga cagatcgctg agagagaagc tagtgaagat   1080
gctggtggag ctgctgacca accaggtggg agagaagatg gtggtcgtgc aggccctgcg   1140
cctcctttac ctgctcatga ccaagcacga gt                                 1172
```

```
        <210> 570
        <211> 419
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (7)...(6)
        <223> similar to gi1196433 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 570
tttgttctaa aatttgaatg gaagtgcaaa agacctggag taatcaaaat aactaattaa     60
aacaaagttg gagggctcac actgtctgat ttctagactt aaaaagctac ggttgttaaa    120
acagtgtggt gtcagtgcaa agatagatat attaatggaa cagattgggg tgcagaaata    180
gacctacaca tgtatggaac attgatttt gacaaaggca taaatgcagt tgtgcagaaa    240
gaaggtagtt gtttcaacaa ttggtgctga aactatttag taggcagaaa gataggactc    300
agacctcata ccatatttaa aaattaactc aaaatggatc acatagccaa atgtaagacc    360
taaaattata aagttgccag aagaaaatct ttgtgacctt gggttaggca ataattttt    419
```

352

```
<210> 571
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(352)
<223> similar to gi854065 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 571
tttattgggg cataacatgt acacagtatg tgtatacctt gataaatttt tacatgtata      60
tacatatgta cgtgtatgta tgtgtgtata catatgtacg tgtatgtatg tgtgtataca     120
tatgtacgtg tatgtatgtg tgtatacata tgtacgtgta tgtatgtgtg tgtatacata     180
tgtacgtgta tgtatgtgtg tatacatatg tgcgtgtatg tgtgtataca tatgtacgtg     240
tatatgtgtg tatacatatg tacgtgtata tgtgtgtata catatgtacg tgtatatgtg     300
tgtgtacata tgtacgtgta tgtgtgtgta tacatatgta cgtgtgtgt                 349



<210> 572
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(362)
<223> similar to gi3044086 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 572
ccctccccag cctcctcccg caagcagtac ccacaggcgg cccacgtgcc ttgggctttg      60
ggccaggcca gccagggtgc cctggaggat gtggccggga tgtccggcaa gccccgaccg     120
cctccctccc accgcgtcca tgggccccac cccaggcagc cgccgtcctc ccccagctct     180
caggaggggc gtcagggcgg agggcactgt gcctctcgcc agctcctgtg ggctccagcc     240
ctcggcctgg tgcagattcc aggagccgga ggttctttat cctgagctga tgtccagggg     300
gacttgcaga ggaggcccgg cacggggtcc tccaggggcc tatccgtgtt ccccgtctgt     360
ctgtcggaca ctctggagcc aggctgctgt gctgtgacgg gcagtcagca gagcagttta     420
gtccctggcc cc                                                         432



<210> 573
<211> 904
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)...(724)
<223> similar to gi190486 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 573
cagagagaga ggtgcttgtg ggattctgct ggctggagcc aggaggtaag tgtgaacagg   60
gaggccaaag atgaaagtta tctgaaagag cccgtacccc ctataaacac ggcagaggaa   120
tgtcttaaga gccaccaaca gtaattccct ttccggatgt taacaggtta tttgtatctt   180
atgtggcgtc gtaaagcatt ctggagtggc acacaacgtc atccccttcc cggtggtctg   240
aagaggagga ggagaccagg gaggggtcct tggccagccc ctggcggcca aggggtgggt   300
ccttctgctc tatagaaggc aggaagcccg ccagctaacc gcccgggtca gggggagcag   360
gcctgatctc tcccaagcct gtgaccgagg tcctgcctga tgtccaaggg gcccctgtgc   420
cagtacccc acttcccacg ccccccagcc ttcctcacct ccagaatcag ccgcccaggt   480
gcagcactat ctcctttctt tttcttggaa gccgtctcag gggcctgagt gacgggcctg   540
accgtccccg ctaccgcctg ctgccatgcg accagatggc tgacccggcc cggcttctca   600
gggcccagac cagcctggcc tcgtgcccac ctgcttcgct cccaacctca ccaccaggca   660
agggtttcca gaaaaccgag acacgcaaac acccaccacc acgacaacaa cacaaaccaa   720
agtgcactgc gaaccgccct ttggcctcct tcttgtaggt gccttgaaac ttcaatgttg   780
agatgaatgt gattaactac ttggtcctat tttctgtttg tctattttca tagaaaatgt   840
ccaagtccac ttgccttgtt ctttcttgaa ataaatagaa agatttaact ttaaaaaaaa   900
aaaa   904

        <210> 574
        <211> 317
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(294)
        <223> similar to gi3002527 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

        <400> 574
tttttttttt ttgggacgga gtctcgctct gtcgcccagg ccggactgca gtggcgctat   60
ctcggctcac tgcaagctcc gcctcccagg ttcacgccat tctcctgcct cagcctcctg   120
agtagctggg attacaggcg cctgccacca tgcccggcta acttttgta ttttagtag   180
agacggggtt tcaccgtgtt agccaggatg gtctcgatct cctgacctcg tgatccaccc   240
gccttggcct cccaaagtgc tgggattaca ggtgtgagcc acctcgccca gccaactgag   300
gcttaatttc taatcac   317

                                   354

<210> 575
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (71)...(928)
<223> similar to gi1334643 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 575
cacgaggcgg ttgttgccac acaagatggg ctgcaggccg gcccagagct gtacgaagtc   60
tgagcactgg ccctacagcg tgtccggggt ggccagtgct gcagcagagg gtgcgccctc   120
ctcagcggtg gcgttggggc ccatgactgc ccctgcccca gtgccattgg ccgccccacc   180
cgcaccactg gctgggggtc cggggtccg gccagtgcag gcaccctggg gcagtagcag   240
ggccagggcc gacaggacat ccacatcctg cagaaccttc tgggcatcca gcaggtcccc   300
cagaagcgcc tgcagcctcc gtggggggtgg cgcctgtggc gaggagtccg agccgttggg 360
ggcatccagg cccagctgct gggagacctt ggccacgtcc agctggttcc ggagctcagc   420
agacagccca gagaagcgcc tggcacgcgc agcagcctgc ccactgcaga cagcatcccg   480
gtagccctgc agggctccct tctgactctc aggcacagtg aggatccggc ccagctcccc   540
cgagcccggc gtgcaggtga gctgctccag gagggcagga gccagcagca gctcctccat   600
ccggaacagg ggattgcccc ctaggcggct ccagggctcc tgacccttgt ggaggccaga   660
ctgtgaatcc agggcagatg agggaccaaa gagcaggtgg tagacctcgg gcgggtccac   720
acgggcggcc aagagtgctt gggccgtgct attgggcagc gacaagtttt gcgtcaggaa   780
acgccagagc tcctgcgggt ttctggccac cgagtccaga gagaaggaag acactgtgga   840
tctgtccagg tggctccccg aggtgcccgg gcccgcactg agggcctcca gatgctggcg   900
tagggcctcg agctctgagc ccaggctggg ccgcgctggg tcaaacaggt tgccttcctc   960
caccacgcgg tccaggcgct caagcagctg cgtgaccgtg gagttggcgt actgcaggaa 1020
gccgaactcg tctcgctggc cgtccgggca cagcgattgc atgacaggca ggatgccggc 1080
agacgtcagg ggcgccgctg tgtagaaggc ttccttcacg   1120

<210> 576
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(688)
<223> similar to gi1196433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 576

355

```
gcatgctctc actactgctt tcaacattgt actcgaagtc ctagttagtg cagtaagaca        60
agaaaaggaa ataaagagca tagtgattgg gaagaaagaa ataaaactgt ctttgttcac       120
agatgacatg attgtctatg tagaatatcc aaaaattgac aaaaatgctc ctggaaataa       180
taagcaattt taccagggtg gtaggatata aggttaatac acaaaattca gttacttttc       240
gtgtatatca tcagtgagca agtggtattt gaaattaaaa aaaatactat ttgcattagc       300
accccaaaa gtggaatact tgggtagtaa tctaacaaaa catgcacaag atttatatga        360
gaaaaattgt aaaactttaa ttaaagaaat caaagaacta aataaatgga gagagatttt       420
atgtggatag aaatattctg ttttcaagat gtccgttctt ctgaacttcg tctatagatt       480
caatgcagtc ccaatccaaa tcccagtaag ttgtttgtg ggtattgaca aacatttttaa       540
agtttatatg gagaggcaaa aagacccaga atagccaact caatattgat tgagaacaac       600
aaagtcacag gattgacact acctttcttc aaggcatact ataaagctac agtaatcaag       660
aaagtgtgat attagcaaaa gaacagactt acagcaactg ttcttattag caaaggaaca       720
gtttacagca aaactgtaaa acttagagga taacatggga gaaaatgtag atgaccttct       780
gtttggcgat gacttcttag ttgcaacacc aaaggcatga accatagacg aaataattga       840
taatctttac ttcattaaaa ttaaaaattt tgctttgtga aagac                       885
```

```
            <400> 577
gaagtggtcc cagaaaagaa agtaccggtg cctcctgcca aaaagccaga agctccacct        60
cctaaaggta ggtatcatta cacattgtca gtcggggggc cctgggaaa gactgtatag        120
aagtgtccgc cgatctcaca agttgtattt gcttgggtaa atgtggagtc gatattcccc       180
ctttatagct tctaactaaa agatactaat atcttcaaag ttcctgaagc tcctaaagaa       240
gttgtacttg aaaagaaagt atctgtggct gtgcccaaaa aaccggaagc cccacgtgca       300
aaaggtattt attccctctc ctctgctaag aaaaacttat cgtctgtacc cctcacaatc       360
agctgtgata tataccttgc ccattcatac attataacaa tactaatatc tttcaagtgc       420
ctgaagctgc tcaagaaggt gtcccagaaa agaaaattcc caaggcacca atcaaaaaac       480
cagaagcccc cgcaggtaca ggtacatgtc agctcaaact tatcctgcag aagaaatctc       540
tcttccattc ctgaaaacaa tttttagacca ttcctcttca ttaacctaag tataaaacta       600
ctaatatctt tcaagtgcca gaagttcctc tagaagccac agaaaaagaa atttt            655
```

356

<221> misc_feature
<222> (28)...(2616)
<223> similar to gi1334643 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 578
ccgggactgg ggctgggcgc gctgcccggg agccccgcac ccacgcctgg accgcggaga   60
cgcccaggcc gaggaacccc cagcccaggg actagacacc accagggccg ggcggagcca   120
gagccagacg cgccggagcg ggcgcctcta cgccgctaga tgttcgccat ccagccaggg   180
ctagctgagg ggggccaatt cctgggggac ccacctcctg gattatgtca gcccgagctc   240
caaccagaca gcaactccaa cttcatggca agtgccaagg atgctaacga gaattggcat   300
gggatgccag gcagagtgga acctatcctg aggaggagct cctctgagtc accctctgac   360
aaccaagcct tccaggcccc tggatcccct gaggaagggg tgcgcagccc cccagagggg   420
gcagagattc ccggggctga gcctgaaaag atgggtggtg ctggcacagt ctgctcccct   480
ctggaggaca acggctatgc cagcagttcc ctgagcattg acagccgtag cagcagtcct   540
gagcctgcct gtgggacccc gcgaggccct ggccctcccg atccccttct gccctcagtg   600
gcccaggctg tgcagcactt acaagtccag gagcgctaca aagagcagga gaaggaaaag   660
caccacgtgc acttggtgat gtaccgtcgc ctggcactgc tccagtggat ccggggcctg   720
cagcatcagt tgattgacca gcaggcccga ctgcaggaga gcttcgacac catcctagac   780
aaccggaagg agcttattcg ctgtctccag cagagggcag caccatccag gccccaggac   840
caggcctaag ggtgtgcctc cacaagtgtg caagggtata tgtatatatt tgcaggcatg   900
tgtgaggcgc actagtaagt acataatttg ctggcatgat tgcaggtagg catgagtgtg   960
tatgtgctaa catgtaggct ggtgtgtgta ggcatgtgtg aataagcatg tataaatgag   1020
cttaagtgtg ctgtgtgcac atgtgtacac acagctaatt tatctgcaga cctatatgtg   1080
agcatgtaag agtgaacata tgtgtgtgtg tgtagtatgt aagaatgagg aactcggtat   1140
gtgcatgtgt agacaggtac ccagcagtgt gtgtatatgc gcatgagtga ggatgtatag   1200
gcagaagatg tgtgtgtcta tgagtgagtt tgagtgtgca ggcttgtatt aggtgtatgt   1260
gaggaagccc ttgtgtgtgc aggggtgcac atgtttggcc acaggcatgg gaggtgtatg   1320
ttaggagcat gtgtgtttgt aggcagactc atgagcaggt gtgtgcaaat acatatccag   1380
ctgcactgtg ggtgtccacc cacaccttgt gttcctcatg gcctaccca gcctttcttc   1440
tccactgggt cccactgttc cctggagaca gagggctagc atgctgtcat ttatctgaag   1500
gttgtggctg acccattctc ctgggatttc ccaggccacc tctcctttcc ctttccctca   1560
cttaacccag acttgctcag ctgaggctat tgtccctgat gttggcttta cttgtaggag   1620
gtttagtggc tgctctggcc tgccatggaa ttttggctgc aattttggca gtgtgtggag   1680
aactggtatc aggaaaggga accaggagta gtgatgaaga tgatggtggg gatgggaca   1740
gaggacatag gggactgtcc ctcttgaact ctgcctttgg gcacatggga gatggggaca   1800
ggaaagatga taacagtgga accctgtgaa gaataggaga atgggaattc taaaatacca   1860
gttcccaaac aaaccatctc tccattggaa aaggagctgt tgcaaaccgt gttcatttaa   1920
gcttctgatg aaaagcaatg tatgtttata agcttgcaag taacagacaa gatgttccaa   1980
ggccgatgag gaaaatatcg cttccctgtc tctgcctcta ccttgctgtg cctctctggc   2040
tttagcagca ttggatgttg aattggtttg gttcatttct ctgaagtcgg actgtcagga   2100
ggagccagag gttggctttc tgggatgtga aggggacagt gtcagcctaa gcctctggag   2160
atgcttagga tgctgaattt taacccttc tttcactgca tggcccttca aacagggatt   2220
ggcaggctcc gcgagttaca gagtgggtga gtcttggaga gaaccaacga ctaaggtagc   2280
ttagctctct gctttgttct tgggagccaa gagaatgcaa gatcctggtg ggtgagcagt   2340
ggtatgaaga ggggacactg gtgggtgaac agtggcatgg aagtcactga tgcagcctct   2400
ggccctcagt ctccctatcg gcaaaggggg gggctcttcc tatctctaaa gagtttcatc   2460
cctgacaggt ggatgggtga aagatccaaa gagtgggggt gagggtgggg ccctgaagac   2520
tttttgtctg tagctcttgc atattgagtg tataaacccg gcttctggac caacccaaga   2580
tgaataaact ggggcagaaa attaccaaaa aaaaaa   2616

<210> 579
<211> 1445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1446)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1389)...(26)
<223> similar to gi3641655 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 579
tttcgtcagg cggctgcggc tgctacggcg gcgcatgcta ggggattctg ccgggtagaa   60
gagctgggcc tggaacccag ccctgaggac atcctgcggc ccaggggcaa gtgacacctg   120
ctgagagagg cccaggatgg tggaggctga ggaactggca cagctgcggc tgctcaatct   180
ggagctcctg aggcagctgt gggtggggca ggatgctgtg cggcggtcag tggccagggc   240
agcctcggag tcaagcctgg aatccagcag cagctacaac tcagagactc catcgacccc   300
agagacgtcc tcaacttcct tgagcacctc ctgcccacgg ggccggtcct ccgtgtgggg   360
cccaccagat gcctgtcgag gggacctccg tgatgtggcc agatcggggg tggcctctct   420
cccacctgcc aaatgccagc accaggagtc cctgggccga ccgagacccc actcagcacc   480
ctcgctgggc acctcaagcc tgagggaccc agagccctca gggaggctgg gtgatccagg   540
accccaggag gcacagaccc cgaggtccat cctggctcaa cagagcaagc tgtccaagcc   600
cagggtgacc ttctctgagg agtctgcagt tcctgagagg agctggcgcc tcaggccata   660
cctgggctat gactggattg cagggtctct ggacaccagc tcttccatca ccagccagcc   720
tgaggccttc ttctccaagc tgcaggagtt tcgggaaacc aacaaggagg agtgtatctg   780
cagccatcct gaaccccagt tgccaggcct gcgtgagagc agtggcagcg gcgtggagga   840
agaccatgaa tgcgtgtact gttaccgtgt caaccggcgc ctgttcccgg tgcctgtgga   900
tcccggtacc ccctgccgcc tgtgcaggac accgcgagac cagcagggcc ctgggaccct   960
ggcgcagcca gcgcacgtca gggtgagcat cccgctgtcg atcctggagc ccccgcaccg   1020
gtaccacatc caccggcgaa agagctttga cgcctctgac acactggccc tgcccttgtg   1080
agcagccacg tggggctgga tggtgatgag ggcggggctg gctcagactg gcccagatcc   1140
ccagggaggg tcacagagcg agactgggct cgacaagggt gagcgcccaa gtctctggag   1200
cacagcctgg gcctcttcca tcacccacac ctgtacctaa gggaggtagg accccccgctc   1260
cacgtacccc ggtgcttcca gggtgatctg cctgcaggct ggcatgacat gaatgggtcc   1320
tgtttattgc gctcttgtgt actgcaggca cagtccttag ggggcttatc tcatggagcc   1380
cccacagcag ccaggagtgt aggcactgct gtacccccac cctgcaggtg gngagaccga   1440
agcag   1445

<210> 580
<211> 567
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (30)...(557)
<223> similar to gi4981020 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 580
caaggccagg attcccatgg caggagatac ccaaggtgtg gtcgggactg tctctaagcc   60
ttgtttcaca gcatatgaaa tgaaaatcgg tgcaattact tttcaggttg ctactggaga   120
tatagccact gaacaggtag atgttattgt aaactcaaca gcaaggacat ttaatcggaa   180
atcaggtgtg tcaagagcta ttttagaagg tgctggacaa gctgtggaaa gtgaatgtgc   240
tgtactagct gcacagcctc acagagattt tataattaca ccaggtggat gcttaaagtg   300
caaaataata attcatgttc ctgggggaaa agatgtcagg aaaacggtca ccagtgttct   360
agaagagtgt gaacagagga agtacacatc ggtttccctt ccagccattg gaacaggaaa   420
tgccggaaaa aaccctatca cagttgctga taacataatc gatgctattg tagacttctc   480
atcacaacat tccaccccat cattaaaaac agttaaagtt gtcatttttc aacctgagct   540
gctaaatata ttctacgaca gcatgaa   567

<210> 581
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (173)...(831)
<223> similar to gi470674 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 581
ctgggtctgt catacgcaca ccgtcagtac aaggcttggg tgggaagggg attcgtggtc   60
agttgcccct ggggccacag gcgcctctcc ctgatttcct ctctccccac ctcaatgttt   120
acaatacgcg gtactggggt cttctcactg ctcactgctg tatctgagga tgggaccctc   180
ctctccttcc tcgcagagcc cctcatcccc tcccctctgg cacagcaata ccaatagctc   240
agcagctgca gccacccaga cacggtgctt ccccagtgat cctgcaatcc ccatggcagc   300
ccagagggtg ggcccaggag gttcctgctt ttcagaggcc cctgcttccc ttggctttct   360
gcgtctggct cctggttggg ggtgcacagg ctcaccaccc ccatggaagg aaggacctcc   420
ccctccaggt gtcccctccc atggcccctg ctgccctgag aacctgagca tgatgaggag   480
ggggaagctg aaggcgtggg agcccaggta gtggagggca cgctggccaa tgggcgggag   540
cccaagggcc accagctccg ggaccacttg ccagggtgct gagtagttgg tgaagaggcc   600
gcagtcccag gaggagtgga tgctggcgag agatggccaa gtggggctgg catcagggtc   660
ctgggtgaga aactgccccct gccagcctct gggtgccccc ctcctcttcc cctcacctgc   720
tgaccacata gcccaggggc actgcagcca gaagcaggcc caggaggagc actagctgga   780
agaagaaggt ggagctggag gcacggaagg gccgcgaaga tgccctggag ttcttcagga   840
gggtgtactg ggggcgcaag caata   865

359

```
<210> 582
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(629)
<223> similar to gi4128047 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 582
tgagtgttgg tgcactggac actttttattg ctgcagtata tgagcatgcg gtgatattac       60
caaacagagc agaaacacct gtttcaaaag aagaagcttt gctcctgatg aacaagaaca      120
tagatgtttt ggagaaagca gttaagctgg cagcgaagca gggtgcacat atcattgtga      180
ccccagaaga tggaatctat ggttggatct tcaccaggga gagcatttac ccctatctag      240
aggatatacc agaccctgga gtgaactgga ttccatgtag agacccctgg agaaatcact      300
aaaatatagt aagtttgagg aaatgtctat tgaattagat tcggcaacac accagtgcaa      360
caaagactca gctgcctggc caaggacaac tctatctatg tcgtggctaa tattggggac      420
aagaagccat gcaatgctag tgactctcag tgtccccctg atggccgtta ccaatacaac      480
actgatgtgg tgtttgattc tcaggaaaaa ctgttggcac gctaccataa gtacaatctt      540
tttgcacctg aaattcagtt tgatttcccc aaggattcag aacttgtgac ttttgacact      600
cccctttggga agattggcat tattactt                                        628




<210> 583
<211> 1060
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(1062)
<223> similar to gi4240130 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 583
attattttttc ttttcttttta gccatacctt cagagtgtta ttttcctttt tgtcataagg       60
ggtctggaaa tgaagtatgg aaatgaaata atgaataaag acccagtttt cagaatctct      120
ccacggagta gagaaactca tcccaatccg gaagagcccg aagaagaaga tgaagatgtt      180
caagctgaaa gagtccaagc agcaaatgca ctcactgctc caaacttgga ggaggaacca      240
gtcataactg caagctgttt acacaaggaa tattatgaga caaagaaaag ttgctttttca      300
acaagaaaga agaaaatagc catcagaaat gtttcctttt gtgttaaaaa aggtgaagtt      360
ttgggattac taggacacaa tggagctggc aaaagtactt ccattaaaat gataactggg      420
tgcacagtgc caactgcagg agtggtggtg ttacaaggca acagagcatc agtaaggcaa      480
cagcgtgaca acagcctcaa gttcttgggt actgccctca ggagaactca ctgtgtccca      540
```

360

```
aacttacaat gaaagagcat ttggagttgt atgcagccgt gaaaggactg ggcaaagatg    600
ctgctcttag tatttcatga ttggtggaag ctctcaagct ccaggagcaa cttaaggctc    660
ccgtgaaaac tctatcagag ggaataaaga gaaagctatg cttcgtgctg agcatactgg    720
ggaacccatc agtggtgctt ctagacgagc tgttcaccgg gatggaccct gaggggcagc    780
agcaaatgtg gcagatactt caggctacca ttaaaaacca ggagaggggc gccctcttga    840
ccacccatta catgtcagag gctaagtctc tgtgtgaccg tgtggccatc atggtgtcag    900
gaacgctaag gtgtattggt tccattcaac agctgaaaag tttggtaaag attatttact    960
agaaataaaa atgaaagaac ctactcaggt ggaagctctc cacacagaga ttttgaagct   1020
tttcccacag gctgcttggc aggaaagata ttcctcttta                         1060
```

<210> 584
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(601)
<223> similar to gi170444 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 584
```
cctatctctc ctctttgggg agaaaaatgt cctgtgatgc ttacttggaa ccctgagctt    60
caacgatggc tcatcttgta cttgaaagat ttagcacacc aaacatctcc acctgtcccc   120
cagtcccctg gatttcagga gcaaacccgt catcctgcaa ctccttccag aagtcaccag   180
tttcccacgc acccctcttc actactcaag agctccccac cccttccacc atctctcctc   240
agttcacggc tccatggacc cctcaattcc tcaaagaatt tccccatctc tttgcaccaa   300
gactgagaat cccctagaaa caagctggcc ctgccctggt ctcccccatc tccaacggca   360
ggtatactca tcccaacata ctctctttcc ggaccagcct cgaccccggt aacttcccgg   420
ccttctccac ttcggaccct acccaacatt ttctggcctc ctcgcccaag tctccccacg   480
tcccaagcag tcatcccaag cttgttccaa aagcctcctc ttccgcacca gctgcttggg   540
caccacggtt actccggccc gcatctcagc cccctctgca tgtcctcaga cccttcacct   600
gcctcc                                                              606
```


<210> 585
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(924)
<223> similar to gi2887497 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 585
```
gggctgacaa gagcatctac tttcgcagtg cccagcaggg ttcggatgga ctacactttg        60
tccgtaccca ccacgtagca gagaaaacca ccttgtatga catggacatt gacatcaccc       120
agaagtacgt ggccgtggcc tgccaggacc gcaatgtgag agtctacaac actgtgaacg       180
ggaggcagga ggcgtgctac aagggctccc agggtgacga agggtccttg ctgaaggtcc       240
atgtggaccc ctcaggcacc ttcctggcca ccagctgctc tgacaaaagc atctcagtga       300
ttgactttta ctcgggcgag tgcattgcca agatgtttgg ccattcagaa attattacca       360
gcatgaagtt cacctatgac tgtcatcact tgatcacagt atctggagac agctgcgtgt       420
tcatctggca cctgggcccg gagatcacca actgcatgaa gcagcacttg ctggagattg       480
accaccggca gcagcagcag tacacaaatg acaagaagcg gagtggccac cccaggcagg       540
atacgtatgt gtccacacct agtgagattc actccctgag ccctggagag caaacagagg       600
atgatctgga ggaagagtgt gagccagaag agatgctgaa gacaccatcc aaagatagct       660
tggatccaga tcctcgttgc ctgctaacca acggcaagct gccactgtgg gcaaagcggc       720
tgctagggga cgatgatgtg gcagatggct tggccttcca cgccaagcgc agctaccagc       780
cccacggccg ctgggcagag cgggccggcc aagagcccct caagaccatc ctggatgccc       840
aggacctgga ttgctacttt acccccatga agcccgagag tctggagaac tccattctgg       900
attcactgga gccacagagc c                                               921
```

<210> 586
<211> 893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (457)...(893)
<223> similar to gi559721 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 586
```
tgtcgactag tgattttccc gggtcgacga tttcgtatga ggacaggaat tctgtcctgc        60
tcaccaccat gtcccctggc caataacagt gaatggtatc tagtaggcct caagaagtat       120
ttgttaaaca aaaatgaaga gatgtggccg gcacggggag agtacaaatc tacataaaac       180
aataaaacga ggaactgaaa aaaggaaaga aaaccacgct gagatgtaca agctgacagg       240
actcaaagct atcatgccag ctcggaggtc tggtggacat ttttcagggt ggacaggtgc       300
ttcacaccta tctaagcgca tagagccctt ccaggaagaa gaaaatccac agagaggtgt       360
ccagatagct gtgagcagct cccagaaaag tggacacaat caccaccta acagaaacgt       420
ggcccaggtc gggagaaaaa aacaatacac catacatctc ggcccagatg aaaaattaca       480
cgaatcccca gcacaatcaa accaagccac caccttcagc ctgacacgta agagcagtct       540
cctttagcct ggctgggcag tcgcctgcaa cccagcaaac ccttcccacg cccaacactt       600
ttccctcgca aagaccaccg ccaccgccgg tccgaggggc gagggaacgg ggggaacagc       660
ctgacgatca gctttctcca cccccgcccg agcccagtcc ccttcaaagc gcaaacgttt       720
cccattctcg cctgtctccg aggcccggac ccctgccccg agcccctcct gcggtccctc       780
actcacgtgt agatgatagc catgaaatgc atcagccaca gcaccaagaa gaggacgaac       840
ccgaagacgg ccattccctc ctgcctcccg tcgacccagg aattccggcc gag            893
```

362

<210> 587
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (240)...(601)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 587
tatacgcatt aggtaccggc ccgtaattcc tgggtcgacg ggaggcagga ggtgtaagag   60
gactgggtcg gggtgacgga gctgtgctta tggaagagca gagatgctgg aggttttgaa   120
cctcagggtc agtggtggct tcgtgggttt cactttgtcg tactttctgt ttcacacatt   180
ttcttgtgaa tgtgccaagt attacataaa aaccaaaagg ctgaccagac ttaacagtgc   240
tccacccaat agcagcagaa cacacgtttc taagtgcaca gggaacattc tccaggacag   300
accacacgtt agtgcacaaa gcaagtctca gtaaattaga gatcggaatc ctgcaaacca   360
ccttctccaa tcacaatgga ataaaaccag aaatccatac cagaaggaaa atgaaaattc   420
acacatacat agaaattgaa cacacttttt aacagccaaa gggtcaaagg agaaatcacg   480
agaaaaatta ggaaatagag atggatgaaa acaacatacc agaacttaag gaatgcggca   540
aaaactgctc tgagggaaat ttatagctgc aaatgccaac atttaaaaag atgcgacatc   600
ttggct   606

<210> 588
<211> 1923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(1926)
<223> similar to gi5832876 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 588
tttttttttg tgtaacttat ccaagagcct gcaagggatt taatctttt cctgggaaga   60
gacaatttca ccctgctttc cgaaaatgcc tgctgagccc tggtggctga gtcctgtctc   120
cctgggagcg gccggttggc cagggcagcc ccgaccctac ctggatcttc ctgcccaagc   180
ctcagtctca agaccccatg acagagcgta ggggggaggca gtgtctctga gtctttcctc   240
gggggacgtg tgcgggcaca cagatggggg cggggcaggc tctgaccccc aggccaaacc   300
aaagcccccca cgctgtccat tcacagccat gccttcccct cgaacaaaac agaaagtacg   360
aaacaaggtc tgccttttaa ttgctatcag atattcggat atcccgtctg atgtcagcaa   420
ggcccccgcg ccccgccgga aacccgcacg ataggagcag caccgccgcc tgactgcaca   480
gaagggctgg ggcagggtcg ctgtgcctct cggcctcctt gctgccaccg tcttttagcc   540

```
tcggggcgcc  tggtgcaccg  tctcctcttc  gggtcagccc  agcctctggc  ggccctcgga    600
aggaggggag  gcaggggtcg  gggggtgag   ccggaggcgg  gggccccgtc  gcgcacgcat    660
gcagacttgc  cctgtgttgg  cttcgtttgt  tctcctcctt  tgctaaagtg  atcagatagt    720
cctgtgaagc  agctgccagc  caggtggaca  gggcagcggt  gctgggatgc  cgcccgtggg    780
ctcctcggac  atcctgaggc  cccgccctac  ttctgtatct  ggaacaggaa  gagccgcagg    840
ttgatgttct  tggcagccag  cagcttgttg  cactccacgg  agtcaatgat  gggcagtggc    900
acgtagtccg  tctcgttgct  ctcgttggtg  aagacaaagt  ggtagatgac  ggggctgatc    960
ctcacgtcgt  cgtaggggcc  cttgagcagc  aggaaggagc  actccagcgg  tgccgtgacc   1020
ttgctcttga  ggaggagctg  gaaggagagc  gtacgcttgc  aggacaggtt  ggggttacgc   1080
tccgagtcgt  tgactcgagc  cttcaggacc  cacgtctggt  tcagcactgt  gaacctgggc   1140
gtctcatagt  acaggcgcgt  gatgaagtcg  tctgtgcggt  acggccggaa  ctggacctct   1200
gtgtagccaa  tcttctcgaa  gctgagcagg  ctgaagatgc  tgttgtacag  ctgcatctcc   1260
ttgcggtggc  tctggtccat  cccatccagg  atctccatca  gctcactgcc  tgtcttggtc   1320
gggtgggcgc  acgcagcctc  gtgcaccgtc  agctcatgga  aggggccgtg  ccatgggcag   1380
ccgatgcgtt  tgtacttgca  ctgggttacc  ctgtcctggc  attcctcttt  ctggtgcctc   1440
tccaggaggg  agcggggaaa  ctggcgcagg  cagaagccac  actctgaagg  cagctcgctc   1500
acggctttct  ccacggccag  gttccggcag  cagaggctct  tactgatctc  acaacgacaa   1560
ttggggcacg  tggcctgctc  ctccttcagc  cgggcatctg  ctagtaggtg  gataaaacag   1620
ccagcgcaca  tcaagtgacc  attagtacac  tggtacacgg  aggccttggg  caggtccagg   1680
cacacggtgc  agcacagcac  cgagtagagc  cgctcctcca  gtttcccgct  gccggccgcc   1740
gccgccgccg  ccgccgcctc  ggccgcctcg  gctgcccgca  gccgcttctt  gggcggcgcg   1800
tcggggtcgc  cggccgcctc  ctgcagctgt  agctgccggg  cgcccgccaa  gcccgcctcg   1860
tccgagaagc  cccggccccg  ccgcctcgcc  cagagccgcc  gccgccgcct  gcccggcggc   1920
cgc                                                                     1923


        <210> 589
        <211> 1490
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1491)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (6)...(1490)
        <223> similar to gi211041 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 589
ttttgagggg  gcctccacat  tttattaggg  atacggcaga  agcagaggca  ggaagcagag     60
cagccgcatt  ttaaacaaca  cataaattaa  ccgcagtgcg  gggctggggg  ctgggggctg    120
ggccaggcgc  ttcaatatat  aaaaacaaca  acaaaaaaga  cggacgaaca  gaccccaaag    180
gcatggggca  gaggagggca  gcaccatcca  gacagcaggg  aggaccaggg  cagagagaga    240
aggcaacttg  tccccctggc  ccccaaactc  caccagcacg  ggggcctcca  ggagggcctc    300
gcgagggctt  cggggcagag  gagcagccgg  gttgggcaga  gatggcacgg  ctggtgggca    360
ggaagcccag  caccacaaga  tggctcagcc  tgaagtaggg  actggagggc  tgcgacacag    420
tggcctttaa  cccccagtcc  cttccaggaa  gagccttact  ctgggtgaga  gaagggacca    480
```

```
agggcggggt ctctccctga gctgagcacg gtcatctcat ccgccgaagc agtgggtggt      540
ggggtgtgcc agggaccccc ttttcacctt cttatccacc tgcctccttg gtcccttcag      600
ggaggggtcc ccgtctccgg gggctgggca tgaagagagc cggtccagtc tgtggtcccc      660
agctccagcg gggccgtggc gtggcgcagc ccctcagccc ntgactccca caagaggaca      720
gcgagtcgta gagtgagtca ctgagagact ccgaggtctc cagccctggg gggcccccgc      780
tggccactct gccttcctcg gccatgtccg aagtgctggg ggtgcggcta cccccgaaag      840
gtgggccctg gggcgtaggg gacgggcggc tgggctcctg gcttcgcttc cggtccacgg      900
gcagggcctg ggaaaggagg ggcagctcgg gaggaagctc ctctccacct ttcggcccag      960
cctcagaggc actgagctct gaggggcgtc tgtgcacctg atggggggct gctccagagg     1020
gggcccaagg tggggtatac ttcagaggaa ccaggctgga ggtacaactg agaacagtcc     1080
tacaaggttc tggggaagga cagaaacctt tccccacgag agaagtgcaa ggagggcagt     1140
gtggagggcc gctcacaggg catcccaggg gtcctcctcc cagagggtgc agcactgaga     1200
ctgtgcgaca cacaggccgt accttactgg agaaactggt ctccccacat cactccctcc     1260
tgctcccgag tcctttccct ttcctctgct gcaattctca ccatgggggt cctgggcagc     1320
ccctccagtt gtcggggtgg gcacatgaga gggtccgagg agctgccggc tgccctagta     1380
ttggggaagg tccagttctt ggccagctgg acaggagggg tggggcctgg gtcttcacag     1440
ggatcatcag gacaggtctc atggccccgg cgcgcccggg aattacgggg               1490
```

```
          <400> 590
cccaacaaca gcaaaataaa attttttct caagtgtcca tggaatattc agaaagatag       60
accatattct gggccataaa taagccttgg cagatttaaa agaattgaaa tcattctgag      120
tatgtatgtt ttctggccat aatgaaacca aactacaaat cagtaataga gtgacaatag      180
gaaaatatct aatcatttag aaattaaaca tcagacttct aaataaagtc tggagtgaag      240
aaggggcctc aaattcaata gtagaaatgc atagacttaa tgaaaatgag accataccgt      300
atcaatatat gtgggaggta gctaaagcag tgctgataga gaaatttatg gcactaaatg      360
ctgacagtag acaa                                                        374
```

<400> 591
gataaccctg tgtcccttc cccagacaga aaaatgcctc aacgtcgtga ctgaggctgc   60
gaccccgttg ggaatatacc tcaaggcgag agtggaggct ggtggcctga aggagctgga   120
gatctcctgg gggctacacc agatcgtggt gaggtggggg gcagtggtga tgagagcagg   180
gatggggggt tgcaggtgct ggggcgtgat ggctcctttt gcccccagaa agccctcagc   240
ttcctggtca acgactgcag cctcatccac aacaatgtct gcatggccgc cgtgttcgtg   300
gaccgagctg gcgagtggaa gcttgggggc ctggactaca tgtattcggc ccagggcaac   360
ggtgggggac ctccccgcaa ggggatcccc gagcttgagc agtatgaccc cccggagttg   420
gctgacagca gtggcagagt ggtcagagag aagcggtcag cagacatgtg gcgcttgggc   480
tgcctcattt gggaagtctt caatgggccc ctacctcggg cagcagccct acgcaaccct   540
gggaagatcc ccaaaacgct ggtgccccat tactgtgagc tggtgggagc aaaccccaag   600
gtgcgtccca acccagcccg cttcctgcag aactgccggg cacctggtgg cttcatgagc   660
aaccgctttg tagaaaccaa cctcttcctg gaggagattc agatcaaaga gccagccgag   720
aagcaaaaat tcttccagga gctgagcaag agcctggacg cattccctga ggatttctgt   780
cggcacaagg tgctgcccca gctgctgacc gccttcgagt tcggcaatgc tggggccgtt   840
gtcctcacgc ccctcttcaa ggtgggcaag ttcctgagcg ctgaggagta tcagcagaag   900
atcatccctg tggtggtcaa gatgttctca tccactgacc gggccatgcg catccgcctc   960
ctgcagcaga tggagcagtt catccagtac cttgacgagc caacagtcaa cacccagatc   1020
ttcccccacg tcgtacatgg cttcctggac accaaccctg ccatccggga gcagacggtc   1080
aagtccatgc tgctcctggc cccaaagctg aacgaggcca acctcaatgt ggagctgatg   1140
aagcactttg cacggctaca ggccaaggat gaacagggcc ccatccgctg caacaccaca   1200
gtctgcctgg gcaaaatcgg ctcctacctc agtgctagca ccagacacag ggtccttacc   1260
tctgccttca gccgagccac tagggacccg tttgcaccgt cccgggttgc gggtgtcctg   1320
ggctttgctg ccacccacaa cctctactca atgaacgact gtgcccagaa gatcctgcct   1380
gtgctctgcg gtctcactgt agatcctgag aaatccgtgc gagaccaggc cttcaaggcc   1440
attcggagct tcctgtccaa attggagtct gtgtcggagg acccgaccca gctggaggaa   1500
gtggagaagg atgtccatgc agcctccagc cctggcatgg gaggagccgc agctagctgg   1560
gcaggctggg ccgtgaccgg ggtctcctca ctcacctcca agctgatccg ttcgcaccca   1620
accactgccc caacagaaac caacattccc caaagaccca cgcctgaagg agttcctgcc   1680
ccagccccca cccctgttcc tgccacccct acaacctcag gccactggga cacgcaggag   1740
gaggacaagg acacagcaga ggacagcagc actgctgaca gatgggacga cgaagactgg   1800
ggcagcctgg agcaggaggc cgagtctgtg ctggcccagc aggacgactg gagcaccggg   1860
ggccaagtga gccgtgctag tcaggtcagc aactccgacc acaaatcctc caaatcccca   1920
gagtccgact ggagcagctg ggaagctgag ggctcctggg aacagggctg gcaggagcca   1980
agctcccagg agccacctcc tgacggtaca cggctggcca gcgagtataa ctggggtggc   2040
ccagagtcca gcgacaaggg cgaccccttc gctaccctgt ctgcacgtcc cagcacccag   2100
ccgaggccag actcttnggg gtgaggacaa ctgggagggc ctt   2143

<210> 592
<211> 950
<212> DNA
<213> Homo sapiens

```
        <400> 592
gactctattt tccgggtcga cgatttcgtc ggcacagcag ggcagataat gccaccgggt    60
ttggggagca gtggttctcc aactttaggg atagaaacca gaagtttagg agctcagcaa   120
agaccgtgta agcctcgatc aggagggacc tccagccgga agagagagtg cctgcagggg   180
cctgacggga cctgggggga aggaagtgag aaactgctct gccttcctga ggggcagcca   240
cagctcctgc tggcccgtct cagcgcctct gcgacaacct caggtgcggg caagacagac   300
ggagggagag aagggaggaa ggaaaaacgg atgcaggagg atcctagaca cggaggagac   360
agaacccaca agaggggcg gcggtggcgt ggacggcgcc gcgagggcat cccagcacac   420
aggacgggtg gagggctagt gacagcggaa ctctgccctt cgacccggcc gggtcaccgc   480
tgaggacaga ccctagagcg gcacttcggg ggtcagtgag gtcaacacaa ccgccacaaa   540
gacaccacga tcactgtcgc tgccactttc cctcttgcgg tctcaggagg gcacagggag   600
gcctttggag gctgcgtcac cagggacggc tccgccatgt tgacagctaa aagagggggc   660
gcgcttgtct tcttgtgctc tgaatttctc agctttcaat ttatttggnn nnnnnnnnnn   720
ngaaacaaag cctcgttttg tttcccaggc tgaaaggcag gggaacaatt tggtttaatt   780
gaggcctaac cttttagggc taagnnnnnn nnnnnnnnnn nnnnnnnnnn nnggtgggaa   840
ctacggcaag gccccccat gcccggtaaa ttttattttt ttgaaaaaac ggggtttgt    900
tactggcccc agcttggttt aaaatttcca accttcggga atcttccgct             950
```

```
        <210> 593
        <211> 575
        <212> DNA
        <213> Homo sapiens
```

```
        <400> 593
attcccgggt cgacgatttc gtgtgaagtg gaattgatgg ccaggatggc aaaaaccatt    60
gacagcttca ctcagaatca gacaaggctg gtggtcatca tcgatggatt agatgcctgt   120
gagcaggaca aagtccttca gatgctggac actgtccgag ttctgttttc aaaaggcccg   180
ttcattgcca tttttgcaag tgatccacat attatcataa aggcaattaa ccagaacctc   240
aatagtgtgc cttcgggatt caaatataaa tggccatgac tacatgcgca acatagtcca   300
```

```
cttgcctgtg ttccttaata gtcgtggact aagcaatgca agaaaatttc tcgtaacttc    360
agcaacaaat ggagacgttc catgctcaga tactacaggg atacaggaag atgctgacag    420
aagagtttca cagaacagcc ttggggagat gacaaaactt ggtagcaaga cagccctcaa    480
tagacgggta agatgccatt ggcttcgagc tgtatgtttg tattgctatt caatttaata    540
caaataaaga tgatgccact taaataaaaa aaaaa                                575
```

<400> 594

```
tttttttttt ttaaagctta ttagctcatt tatcttggaa acagtagtta aactgaataa     60
aaaccaaggg gcaatataac tgctactggt tgagtcatac agtgatgtgt agtttggaaa    120
agaagacgaa tgatagatat tgagcccctt taggaaatgt tgccagtatt tgaatttggc    180
tttcatagtt atctcttgca cacgaagtag agtaccatgg ctgataacaa gaggtcaaat    240
gtacaagttg ctctaatatg gcctcaatga ggcaccagct tcaaaacccg cttgctgata    300
attcaggtat tcatggaggg tcaagacttc aaagtcatgt acttcaagta ccagtagagc    360
atctggtgtt gcttaaggga gtctgtcagt gtagggtgca tagaattgtt ctctggctat    420
atcccattct aggaatcact ggatatccat ctggagtgga gggctgttaa tctaggttca    480
cttgacacca tcttcagcaa atgatcattc ctggggtcaa agacatgcct gtcttcttgc    540
acttttctaa gttcacacac agtatttcta agaatgttca gcatctactg aacatgaact    600
gtgctgagtg gaggtacaga aaagattgga atgccattca ggtcaaacat attgctgtct    660
ggggcagtgg ttttcaaact gtgttcggaa gagttcaagg tgttgtaagg aagtcccctt    720
aggtgtcacc acggtggtaa aggaagatag ttgtagcagg attcaggccc ctactcttgc    780
ttcactactt catccagagc agcttcactt ttactctggg cttctgcaca gttttcactc    840
aaagggcttc atggccacaa agcctttgga aaaccaatga tctaagaata agtcggtcac    900
aaaatgcata gaggttctac cttgatgtat caagagaagc cttttctgga atctggtgca    960
gccttgtgag atgctgttag gtaaggggac tccttggtag aatttcttac atttgtgtaa   1020
aaagttctgg ttcctgagta attccaaaga agatgctatg aggagttcac tgtgcctttg   1080
atttgatccc aatgggtcag aatatgtttt ctcattcagt aggctactac aggatttgaa   1140
gtagaaaaaa cagggtccag tgaccttcat gggatcctag atgttcatga atttcaatca   1200
tttgagattg tggggtgtgg tccaatgctg ctctcaaaaa gatgttgcct ttcttcagag   1260
agcattaata actaaaaaat cccctggtcc aaatttattg tgtgtctctg aaggctttaa   1320
ctgaagaaat gaaatgcaca ctcatggaac aaactaggcc tttgttgtga taaaacagct   1380
ttagctattt ggcttgagga ctctgacttc actataaagg gctgtgctga atctgggtag   1440
aacaagacag gagtggaggt aaaggccaca tcatgatggc tgaatgcctc ctgggtcaca   1500
gtggtccact ggaatgggtg tcttcgtcag tagtaaggtg gtaggaatca tctcgggcaa   1560
aaatccaggt accaggtctg taggctgatg gaatagcaca gggaaggtag tcagaaggtc   1620
caggtgaaca ctcagcaatc aggaggcaca ggatgagtgg ttattctgat agcctgctct   1680
ctaaactcct ccttcctaat aaatgcatct tgatatgttg tggtgtatgt gggcaaagat   1740
gcactaaaca aggaccctgc tttcaaggag tctgctatca gacccgggag gggggggaggg   1800
cgcgccaggg cttcttcgat ttaggggcct gactccccgg cgacgagaca agatggctcc   1860
tccggtccgc accgcagcta ccgtcccggc tgcgtcgcac gaaa                     1904
```

<210> 595
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(316)
<223> similar to gi3309124 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 595
tttcgtggag gcttatcgga tttacacccc ttttgatccg gcagctctag aaaatagctg   60
tgctcttaat tgagcatttg tggctcaggc agccccggat attaaaaaga aactccaaaa   120
actagaaaga tttactagaa taaatatctg tcagctttta gaaatagccc aaaaagcttt   180
tgacaatcac aaggttaaaa aaacaaaaac aagcaacaca ggcagctgaa aaggccgctg   240
ataaagcatt caaaagacaa acaaaaatct tagtggcggc tatccaagaa gtacagaatg   300
aaatagcccg ttaatttagc attaactgaa gcccctgctt tagccctccc taatatctcc   360
ataaaagcca aggagttgct aaagacgtgt ttactcagac tctaagaccc tanagacgcc   420
c   421

<210> 596
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(414)
<223> similar to gi1469243 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 596
tcttcttatc aaagatcatt aaaatttagg cctaagggga ccctgcctca aggaaattcc   60
caaagaatca aaagacccag aagtcttagt ttgggaaaaa tatgtggctg atactgtggt   120
ggtattacaa aacaataaat ttggaactat tatagactgg gcccctcaaa accaattata   180
ttatggttgt atgggccaga ctcactcatg ttcacagacc ccatctgtct ggcccactaa   240

369

```
tccggcctat gatagtgatt taactgaaag gctagaccag gtttatagaa ggctagaatc      300
accctatcca tggaaatggg gtgaaaaggg gatttcatca cctcaaccaa agttagttag      360
tcctgtaact gctccaaaac atccagcatt atgaaagctt actgtggcca cgata          415
```

<210> 597
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(832)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(711)
<223> similar to gi2224587 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 597
```
caccgagagc ctcccggtgc ccatggctcc tgtcacaggg cagctcagtc ccgaggagcc       60
tccctggtcc agcggcttca caatgggaat gcctctcctc cgagggagcc catccctcca      120
cctgcaccgg aacccccatg gcactgagga gaccgggggtg actgcggaga ccggggagac      180
gtgggggaca ggggagacaa gcagcagggc atggcacggg gtcgggggcc tcaatggaaa      240
cgaggcgccc gaggggggcaa cttggtgact ggcacacagc gtttcaagga ggccctgcag      300
gatcctttca ccctgtgcct tgccaatgtg cctggccagc cagacctccg ccatattgtc      360
attgacggca gcaacgtggc catggtgcat ggcctccagc actacttctc cagccggggc      420
attgccattg ctgtgcagta cttctgggac cgtggtcacc gtgacataac tgtctttgtg      480
cctcagtggc gcttcagtaa ggatgccaaa gtcagaggtg agttgggcct ggtcttcagt      540
gtcccaggat aggctctgtt tccactttga ggagaaccct attatgttct ttttcaatag      600
agagtcactt cctgcaaaag ctgtattccc tcagcctgct ctccctcaca ccctcacgag      660
tcatggatgg caagaggatc tcctcctatg atgacaggta cttgctcctc tcctggcccc      720
aggcttgata ttgaaggagc cctatggaag actgagggag agagaanagc tcctggtggt      780
ttacgctgtt tctaagcctt ggtggtgggt aaggggccag ttattcctct g             831
```


<210> 598
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(821)
<223> similar to gi609543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

370

<400> 598
```
tgttaggcag caacagtgct gatgctggac tgtggcaggc agagggtgct atcctgacac      60
acttcacctt agtgcaggaa acttcaattt ggtggaagaa aggcgatttc gaggttccaa     120
tctgggcgac acttcccagt tggagagtca gcaaaaggga gagggcaatt ccaagaagag     180
ggaaaagctt gtgcacagtg tacctccttt attcctgaag cccgggcagt gcttgacctg     240
gtcgaccagt gcccaaaaca gatccagaaa ggaaagttcc aggttgttgc catcgaagga     300
ctggatgcca cgggtaaaac cacggtgacc cagtcagtgg cagattcact taaggctgtc     360
cctcttaaag tcaccaccct cttgcattgg ccagtggagg aagatctttg atgatgaacc     420
aactatcatt agaagagctt tttactcttt gggcaattat attgtggcct ccgaaatagc     480
taaagaatct gccaaatctc ctgtgattgt agacaggtac tggcacagca cggccaccta     540
tgccatagcc actgaggtga gtggggggtct ccagcacctg cccccagccc atcaccctgt     600
gtaccagtgg ccagaggacc tgctcaaacc tgaccttatc ctgctgctca ctgtgagtcc     660
tgaggagagg ttgcagaggc tgcagggccg gggcatggag aagaccaggg aagaagcaga     720
acttgaggcc aacagtgtgt ttcgtcaaaa ggtagaaatg tcctaccagc ggatggagaa     780
tcctggctgc catgtggttg atgccagccc ctccagagaa aag                       823
```

<210> 599
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(381)
<223> similar to gi|1196432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 599
```
caatggagta aaattgtgaa ttaattccaa aaggatcctt caaaagtaaa caaatacatg      60
gaaattaaat aatctgctcc tgaatgatct ttcagttaac aaagatatca agatggaaat     120
taaaaaatta tttgaactga acaataatag tgacacaacc tatcaaaacc tctgggtatat     180
agcaaaagca gtgctaagag gaaagtatac agcattaaat gtgtacacca aaaagtctga     240
aagagcacaa acagacaaca taaggtcaca cctcaaggnn nnnnnnnnnn nnnnnnnnnn     300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naaatgaaag     360
tgaatcaaac aaacaaaaaa cgcaaaaagt aagtgaaaca aagagctggt tcttgaaaag     420
ataaataaaa ctgatagacc atgaacgaaa tcgtcgaaag gggaattacg aag            473
```

```
<210> 600
<211> 895
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (516)...(893)
<223> similar to gi2801471 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


    <400> 600
cttgaggagg  tctttccttc  tacacggcct  aaccaggacc  caaattcctc  aagtagaaag     60
ggagctttag  acgattctca  ccggtatctc  ctcgcaagta  ttaaaagagc  ctctcagaaa    120
cccatcaact  tgtctaagac  gaccgacgtt  gtccaaaagc  ccgataagtc  accaagaacg    180
ttttagagcg  cctccaggag  gcttatcgga  tttacacccc  tttttatcgg  atttacaccc    240
cttttgaccc  ggcagctccc  gaaaatagcc  ttgctcttaa  tttagcattt  gtggctcagg    300
cagcccagga  tattaaaaag  aaactccaaa  aactaaaaag  attttctaga  ataaatatca    360
gtcagctttt  agaaatagcc  caaaaagttt  ttgataatca  aaagcttaaa  aaacaaaagc    420
aacacaggca  actggaaagg  cagctgataa  agcattcaga  agacaaacaa  aaatcttagt    480
ggcagctatc  caagaagtac  agaatgaagt  agcccgttaa  tttagcatta  actgaagccc    540
ctgctttagc  cctccctaat  atctgcataa  aagccaagga  gttgctaaag  acgtgcttac    600
tcagactcta  agaccctaaa  gctgcccagt  ggcctattta  tctaagatgc  tagatcctgt    660
ggcctgtaga  tggccaagtt  gtctgcgagc  cgtagcagct  acagcaagcc  tggcccaaga    720
agatgataag  ttaactctaa  gccaaaattt  aacccttaca  gctcctcatg  ccgtaaagac    780
cttactacaa  aatgcttcgg  caaatagatg  tcaaatgctc  gcatcttgca  gtatcaaaat    840
ttactgttag  atcagcctcg  tttgactttc  tctcccacaa  agtgtttcaa  tctag         895




    <210> 601
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (105)...(536)
<223> similar to gi2695659 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




    <400> 601
gcattgactt  gactttgtca  gtgtttcttc  cgggtggaga  acctgctgca  catgccttca     60
ttctggaaca  tcagatgaaa  caccaactct  ttctttacct  tggaacaggt  gttcagatct    120
atgaccggac  atctgttctt  catgtaatgg  tcaaaaaagg  tcaagttact  ggagtggaga    180
ccgataaagg  acagattgaa  tgccagtatt  ttgtcaactg  tgctggccag  ctattgtgga    240
tgctgatgga  agaatttata  ttcggaactg  gcagggtggc  atcctgtctg  ggggctttga    300
gaagaaccca  aaaccaattt  tcactgaggg  caagaaccag  ctggagattc  agaatctaca    360
ggggactggg  atcactttga  gcctctgttg  agttcccttc  tgaggaggat  gccagaatta    420
```

```
gagactctgg agatcatgaa gttggtgaac tgcccagaga ccttcgcatc agacatgagg     480
tgcatcatgg gcgagtctcc tgcagtgtag ggctactttg tcctggcagg aatga          535



        <210> 602
        <211> 456
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (456)...()
        <223> similar to gi804811 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 602
gctccggaat ttccgggtcg acgatttcgt gactgattga tttttgacaa agatgtgaag      60
gctattcaat gtgaaaagga tggtcttttc aacaaatggt attgaaacaa ttgaatgtcc     120
atatgcacaa atgaactttg accataagct cacatcttgt acaaaaatta actcaaaatt     180
ataatctaaa tgtaaaatgt gaaaccataa aacttagagg aaacatgaag gaatctttat     240
gtcctggagt taggcaaaaa aatcttagat aataatttaa aaacatccat aagaagaaaa     300
attgatgaat aggacttaat caaaatttta aactttgct ttgagaaaaa cactgttaag      360
agaatggaaa agcaatccac aggttgggag aaaatatttta caaatcacac ctgacaaaga    420
actggtattt agagtatatg aagagctttc aaaaga                                456



        <210> 603
        <211> 2379
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2359)...(0)
        <223> similar to gi577299 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 603
ttaattcccg ggtcgacgat ttcgtcgcgg agtattccag gcgcctgcaa ctaaacgtgg      60
ccgggtctgc aagctaggtg ccagcgggga aagtttccct gcttcttatc gtctgcttta     120
acgccttaaa tagcccgctg aaggctgcag caggtgctag gtagcagcct cccggccctc     180
gggaaaggcg gggtggggag gcgagagcag cttagcctcc tcgacctccc ttcctggtga     240
cggacgaaca gttcccgtag aatttcgctt caccgagtga ccttgagccc agggcgacgg     300
tcagcttgtt aattcctggc tgcaggaact ttgtgagaat tttaatgcat ggaaaagctg     360
tccatgttcc aactgctgta catccaaaag tctcagtgta atagcaggac caaaatattc     420
```

373

```
tgtcaatcag ctgaccatat acttaatgac tcctaaaatc tcgtggactt ctaagaaagc    480
gccatggcct gtgctgctgt tatgattcct gggttgttgc ggtgctctgt tggagccatc    540
cgtattgagg ctgcgtcact gagattgaca ctcagcactt tgcgccacct tactctaacc    600
agcataatga aatccaaaag gaaaactgat cacatggaga gaactgcaag tgtccttcga    660
cgggagacta tagaaagcta atctaccacc tgaaggggtg tcaagggctg agaaataaag    720
gatcctcacc ctttacctca attgtgtcag cagctaaggt gtgtggagct gccagtgagt    780
caccgtcagt gaagagcctc cgcttgcttg ttgctgatca agacttttcc tttaaagctg    840
gccagtgggt tgatttcttt attccaggag tctctgtggt tggtgggttt tcaatatgct    900
ccagtcccag actgctagaa caagagagag tgatagaatt ggcagtgaaa tatacgaacc    960
accctcctgc cctctgggtt cacaatacgt gtacacttga ctgtgaagtg gctgtgagag   1020
tgggtggaga gttcttcttt gaccctcagc ctgcggatgc ctctagaaac ctcgtgttga   1080
ttgcaggagg agtcggaatt aaccctctgc tttccatcct gcggcacgca gcagatctcc   1140
tcagagagca ggcaaacaaa agaaatggat atgagatagg aacaataaaa ctattctaca   1200
gtgcaaaaaa taccagcgaa ctcctgttta agaaaaatat ccttgattta gtaaatgaat   1260
ttcctgagaa gattgcatgc agtttgcatg ttacaaaaca gactacacaa atcaatgcgg   1320
aactcaagcc atacatcacg gaaggaagaa taacggagaa ggagataaga gatcatattt   1380
caaaagagac tttgttctat atttgtggcc cacctccaat gacagacttt ttctccaagc   1440
aactggaaaa caaccatgta cccaaagaac acatttgctt tgagaagtgg tggtaggagg   1500
cagacaaagg cagaaaaaat aaagagtggg aattcctggc aggctgaagc ctccagaaga   1560
gcctctctcc tccatccttc tggccggccc agcaggacga tggcagacaa ggccctccag   1620
tcccctcagc tgtcccgttt tagcagcctg agatgtgatt cgggttgcca ggggctcagg   1680
tgttccttgg gctctgcgag cccttggaag ctggagcagg ctgccccctc aaatgctgca   1740
gaaaatccac tgaagatgaa gccctgctga ggaaaaccta ggaaggccat caaagtctct   1800
taccttcgat tccttcttct tgattttctg aggtagacac ggtctctgaa gaaagacaat   1860
ctgcttggtg gatacactcc cctcgctggt agtcttgacg acgggagttg gtagcacaca   1920
ggtgagctgc cagccatagg ccgccagcga gttcagcagg ggcacgtagt ctgtctgcac   1980
ttcgacacct tccaggactg tccattgttc agccacaata gcatcatagc cctgtatggt   2040
tttgctatct tctgtggaaa cagcttcaaa gatgaatact ccatctgtca agccatgtaa   2100
ggaatcattc actattccaa ggtagaagac tgcgttcacc agcatgcctc ctttccggaa   2160
gtggtcgctc atgtgctcta accagttggc gtccaagccg ctcactgtct ggccattctt   2220
ggagacatgg agaggaatgg tgacagggta gtattgccgg cacttctgat ggctcttcgg   2280
tttgttgaaa agggtgaaga tctccatttt ccctgagagt ggctcttcat gcgcctccaa   2340
ggggaagctc tccggcccac gcgtccgcgg acgcgtggg                          2379
```

<210> 604
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(725)
<223> similar to gi5817102 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

374

<400> 604

```
agagaaagct tattgttgta atcagtgtgg tagggctttc cagggcagct cagacctcat      60
cggacatcag gtaactcata caggagagaa accatatgaa tgtaaagaat gtgggaaaac     120
tttcaatcag agctcagacc ttctgagaca tcatagaatt cacagtggag aaaaacctta     180
tgtatgcaac aaatgtggga aatcttttag gggcagctca gatcttatta gacaccatcg     240
tgttcatact ggagagaaac cctatgaatg ccctgaatgt tggaaggcct tcagtcagaa     300
ctcacacctt gtcagtcatc aaagaattca taccagagag aaaccctttg aatgtagcaa     360
ctgtggtaag gccttcagtg gggtggacag cttttcttaa gcaccagaaa cttcacattg     420
gaaaggaatt tgaagactgt aagagtctac aaacaggacc tattctaata ggtagcagaa     480
acctaatgaa tgcagtaaaa ctaggaaaag tctgatggag accacatctt attgcactac     540
aaatgagttt tattagaaaa aaaccatggg aaggtgggaa agcagagaaa atacctactg     600
gatttttcaa acgtaagtat aatcaagtgg aaaagccaaa agctcttgga cataatcacc     660
nnnnnnnnnn ctgtctcaaa actgacacta gaatatggtc ccaacgatac aatttttaa     720
attat                                                                 725
```


<210> 605
<211> 980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(981)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(964)
<223> similar to gi1118097 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 605

```
gtgggtctcc ttgaaagtag gcttcctccc cagtgtggtt aaccccttgg tccactatca      60
gtgctggtcc aggtgcctag ggccagaacc ctggtcctgc gtggtctggg ttattattcc     120
ccatcggcca gtcctggaag tgttcgtgtg tcaggggggt ccgatccctg cctcagnccc     180
cgggtgaggg gtcaagatcg cccgctttga gtttggcccg gatcttggtt ctgtgtgcct     240
ctggagcagt ttgtccctca ggagagggat cctcacagcg gcctcttggg accatgagga     300
gaattaatag gatgacccca aggtagctac cgtagccctg tgcaggccca accgtgtgtc     360
tccaccgcca gttcccttcc gtctgtgctc ccaccaactg tcacatcacc agcctttatt     420
ttcttttct tagacccaga caacgagtgc cccactggcc tcggcagccc cttctctaac     480
ttgtcctcaa atcagttcct cacggacagc cctgaccagc cattggcatg accaaaaccc     540
caccaaatag aacccaactt tcctattaag ctgtgcagag cagtcccagc cccacttccc     600
acaggctgac ctcattcgcc atgggatccg tggttctcac ctggggctgg gggtgcccct     660
ggcatctggt ggggagtgtc agggatgccc ttccaggtcc aggatagtcc cccagctggt     720
ggccgacaga cagcagcaca cagcctgatg tccctgtggc ttccggttcc ccgaggcag     780
ctgtgctttg ctgcctcttc atcttctcag acgggtgccc tctctccacc ttcgctggtt     840
agcaatgttc atccattaga gctcaaaagc actgcctgct ggcagcacag ccccttctcc     900
tggccctccg tccgcctgtg ccccacggtc tgtgccgtgt ccccgccttc cgcctgtgcc     960
gcatggtctg tgccaagaaa                                                 980
```

375

<210> 606
<211> 1496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (689)...(1498)
<223> similar to gi1054873 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 606
gcatgtatgc acatttttaa tgtctgattc ctctacattt cttaaactgt aaaataataa   60
gaacatgcag ccagatagca tcgcgattac caacttcttt atataatgac acgtaccatt   120
ccactcaatg tgctcctcag tttgaattta taaaatatat gctactcaaa tgaaaggcac   180
ttatgcctgc tcttagtaga ggaagcgcta gctaattgcc taacgcccca ttagcatatg   240
gcctatactg acttgagaag gaaagaacgt tcatttgctg tggccaataa ggatcccctc   300
tccccacctt cccttttctg catcaaaatc tacacagaca aaagtcagat gttgtaatat   360
gcattttatc gtgtcactta agtactaaga ggtgctttta aagtttttat taatgctgct   420
caaacttgac cccgacggtc caggatacag gccaaggtgt cagtgcggac acaatcgcaa   480
ggcggctgtt aggcttcagg gctgggcagg aaacttgcca ggtgctacta ggaacgtatc   540
agcccttttct acaaagcagg tgtctttccc atcataaaat gcaaagcaat cagccgttcc   600
cttttctcccc agcccctcg tccggagacc gagaggatat ttaccctggg ctcttgcagt   660
tctcttataa ctgaacccag cggcggctcc ttctccgagc tcagagccag caggctcagg   720
cccagccaca ctttacaggc aaattgccga gctgaccaag ggctttggcc aagcccgagc   780
tgggccgggg cgtccgggaa gcggaaggag ccagtctagg aaatccgggt gtgcgtggtg   840
gtgaagctgg tgggcaagct tccacttcag gtccggggct ttgtgtcccg caacagacgc   900
ttggcgccgc tcctcttcca gcctgctgcc gccttctccg agcgagtgag ttggcgaaac   960
tcactcacct gtcggaaccc ggtgcctggc ggccagacgc gcagattaca gcaaaccttg   1020
gccgggacgc cccagccagg gaggcaagtg tgggagctgc tcctagaggt gccagctccc   1080
accccccagct ccgcgccccc tgctcgtccc cttttcacttc caggcgcctt cgggcttggg   1140
gtgcccagaa gggcaagtcc aagcagacgc cagggctgca ggttcaagat gctccgcctc   1200
ctcctgccac ttagagccac aaacgctagc gggaaccttt ccactcagtc ttagtctgcg   1260
gtcactgctg aggttttcag aactttccag gcaaaggcca gccaggtcct ttgcctccaa   1320
cccactccgc gcctacctcc cgcctgggga caccctagg cccaggagat cctactctcc   1380
cccgagcacc gacgttccaa ctcgtctgcg cccccgactg ctgtccggct cctgtgccaa   1440
ggggcgcgcg catcttcccg gggccagacg aaatggtcga tccgggaatt ccggac   1496

<210> 607
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (135)...(696)

376

<400> 607

```
ccgatttcgt gctggagggg gcctaggatt ccagaagcct ggggaggcac accctaggct    60
cggggaagga gagaggtgga gaggggctag cactcctcac cgtgattatc tttctgcccg   120
atattgtgcg tgcggatgag agaggagagt ctcctcacat cccccttgaa gacgcactcg   180
tgcaccgggt agtgtgcggg gcaactgcct ccatccgcga cgacagcaac ggggttggtg   240
ccggccagaa gggccgggga ctgggagttg gcagtcacgg aggaattgtg cagcggcaga   300
gccggggcgc cgggggggatt ggaggaggcc ggagctgcct tcagctgtag ccggtggtga   360
tggttactga agatcttatg acaagctttg ccgcccttgc caatcctgct tctggtaaag   420
gtaccgccga gggcagccgc cgcttcctca tccccgggct ccagcaggtc cccttcttct   480
ttgctgggct tgtggtccct ccgcagtgag cggatcttct ccccggtcat cgccgccgcc   540
aggggcaagg gggggaatcg ggaggctcac cgctggcgac ggagctggcg ctgcggcggc   600
acaaggcgat tagagcggtg gccaagagcc tccagcgcag catgaactcc cactgagccc   660
ccgagcctgg gacaaacgca tctcccgggg aagagccggc tctcgcctag gcacgaaggg   720
acgcgcgctc gctgggggaa gctagaactc aggtgcccac gacaccagga tctcagtctc   780
gccgtcgcag ccgccgtcgc tgccttacac cgaaaaaca                           819
```


<210> 608
<211> 1149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (450)...(1051)

<400> 608

```
agaggactct aggcgttttc ccactcttga aggcactgag ctgggaacac cacctctggc    60
caccagctgt ggactgcaga gaggcctacg gtgaccagga agggtggagc tgcccaaggt   120
catacagcaa gccggccctg cacaagctga tcccatggct gcccagcctt ggggaatggg   180
ggacttctgg catgtccccg agctggcctc atctgggccc tcagaaaaac gggaggttct   240
gagcccagtc cgcgaggcgg gggcggaggc ggcccgatac ctccacctac tctcggtacc   300
cgcgtttctc cagtggacgc cctcttcatc ataggggtca ggcggagcgg gtcggggacc   360
gaaagtcgct tcggggcggg cgccagtctc cggcccagcc ccgggccggc atccaggcgc   420
cgccgctccg gcccagcccc ggcccggccc ctatgatgaa gagggcgtcc actggagttc   480
ttgctgtcga catctttgac aagttcaact tcacgggagc cagagtccca tggttcgacg   540
ccattcatga agcattcccc agggagctgg agtcctccat ctccttccca gccaacttct   600
tcaaaccacc tgaagaaaaa gaaggccccc tggtaaggcc agccagccgg aggaccaccc   660
cgcagaccac acgcccaggg cctggcaccg agagggaggc cccgatcagc aggtgaaagc   720
gacaccctga tgacactggc tagttcacct tcactctggt catcgtttac tgtaccccgg   780
ggcagctccc gcctgagccc tatgacccca accgccgcag cctctggctg cctcactggc   840
ccatcattaa tacgtcgatg gtgagcgcac tggtgtacag cgaggggggct ccacttccga   900
gacccctgga gaggcccgtc ctggtggagt tcaccctgct ggagatggag aagcgaacca   960
```

```
agcctgtctg tgtgttctgg aaccattccc tggcgtaaat gtgatgccgg gagttctgca    1020
tcttcatgtg agggctttgc caagacacag agaacccgca gggttgttgg ctcaccggca    1080
gatcgtccca cggggacagt ctcttgtggg ctgtgactcc cccttcagcc ccctgtgggg    1140
cagtgaggg                                                            1149
```

<210> 609
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(370)
<223> similar to gi2981264 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 609
```
cccgggtcga cgatttcgtg gagccagagg cagccagagg ccctggagcc ccagggcctg      60
ggggcgagtc tgtgagtggg gagacccact gggccctgca ggaagtcacg gagaagctgg     120
cccatgccag gactcacctc cgccttctcc atgacttgaa aatgccacct gagggcaggt     180
cgctgccgag atgtgactgc aatattttgg ctccagagca gctttatgga ccaactggag     240
gagaaggcag acctgagtga gctggtgaag aaaaaagaac tttgcttcat ccaccactgg     300
cgagatagat gccatcagtg agtgggaggc cagggcacgg caggggagc tgcaggaccg      360
tcggaggggc cccagcgtct gagccctgtc ctcccgcagg aaaatccatc accttttatc     420
agaaccaggg ggccgtgcca aagg                                           444
```

<210> 610
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(483)
<223> similar to gi310089 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 610
```
gggccgcagc ctcagctccc tgctctgcgg cttcatccac aaggcggcgt caggcgttcc      60
tcagcaacca gatgcgggat gcccagggac tggtgaacag caaggcgggc agcggtgcgg     120
ccagtgagct agcgtggccg aggccgtggt ggtcctatgt cccatggaga ccatcaaggt     180
gaagttaatc catggccaga cctctccaaa tccaagtaca ggggattctt ccacagggtt     240
aggagattgt gcgggaacac cgggacttac cggggcccca caggccccgt gctgaagcag     300
```

```
ggctggaacc aggcaacttg tttctttgtc ctgacatccc tgcgcagctg gtaccgagcg      360
gacagcccca acaaactcat gaacccgctg gtcgctgggg tcttcggagc cattgtggga      420
gcggccagtg tcttcggaaa tgctcctctg cacgagatcg agccccagat gcgggacctt      480
cctcaagcta tccgcaccac cctctcttcc atttcatgcg aaacgaaatc gtcgacgcgg      540
gaattccgaa g                                                          551
```

```
        <210> 611
        <211> 407
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (16)...(410)
        <223> similar to gi287865 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 611
tttcgtccgc caggggtccc agtaggtgag gtgcagagcc tccctcagct cctcttttcc       60
tccatccaag gggtgtccaa tgacacatct tcgctggaga cagagcgagg gtttgaggag      120
ttgcccctgt gcagctgcct catggaggca cccaagattg accgcatcag cgagagggcg      180
gcgcacaagt gcatggccac tgagagtgtg gacggagagg aggggccgtg ggctggtggg      240
agaggtgcca gggcgtccag tccccggccc cagcctgacg ctctcttctc acccatcctc      300
actgcgcaca gctgtcaggc tgcaatgccg ccatcctcaa gcgggagacc atgaggtcat      360
ccagccgtgt ggccctgatg gtgctctgtg agacccaccg cgcccgt                   407
```

```
        <210> 612
        <211> 1276
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (453)...(1239)
        <223> similar to gi470674 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 612
ttttattttt gtataatggt ttatttaata cagtatacat tatctttcat atactttgtt       60
acaatgttaa aaaaacttca tttttcataa tataggaaat aaagttggaa acaactctgg      120
tgggaatact tcagatagag caagaaagca ttcacagcaa ggcctataat cagtaagatg      180
tgtgaaaagt tgggtagcca caggaggtgt tcattaagga tatgattcca tttatatagc      240
tatttctatt gcataaccag gacagtttta ttgttttgag gtcaatgttc ttttaaaatt      300
```

```
tgattttctg taagaagagg cttttttggcc cagaaagcct tacttatttt acatcttcca    360
gtttgtccat cccatgagtt agagttcgtc ttgactctgc aagcttgtat ggaatggaag    420
tggtgcctct ggggtcccag acacgggaga gaggaagcag cccaggggct gggagaagtg    480
gtgagaccca gaagaacggt ggacccagtc aggaagggtc ctgccagcag ggcgtgggcc    540
agcctcgggg tcttccccaa aaggcaggta ggggcctcca gcaagcttcc cacctccgtg    600
aggctggaga agaggccccc tggatgagaa ggaagaggcc ggcaggtccg gcgggcgcag    660
gcacaggtag acttctggtg ggaaaagcgt gactcagcct cctccagcgg ctgcaggacg    720
tcccccgct agaaagggcc gggctccctt tgctgaccca gagtcaaccc agcgattcct    780
cccggggagg cgggggggccc cggccccggc ccagagcgca tgcctatgcc gggagctggg    840
cgaggacagg gcacagccac agctgggtgc ccaacgggaa aggcggccgt tcccctcaa    900
gctgcacctg aaggggtccc caggggtcgag gccacttctc cttcggctca gggttgacct    960
tcagtgacca ctgtggcctg cgggcatccc ctgggaggga cggagggggga tggaggaaaa   1020
ctccaaaggg aaaggccgaa tcctgcaggg tctggtcgtc ggaaagccaa ccatacagtc   1080
agccctccct ctcctcgggc tgccgtcgcc atccgggtcc acacgggctc taagacaaaa   1140
ccccaattgc ccccaaggcc ccataggagg ggcgctgcca gaatcgccta tttttagtga   1200
aagagaaccg ggccgggaga cagcggcagg gggccggagc attcccgaga cgacatcgtc   1260
gactcgggag ttccgg                                                   1276
```

<210> 613
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(446)
<223> similar to gi608681 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 613
```
agcaaagcca cctatgacat gtcagcacaa cctggacatc gagtgtccca tgtacaccaa     60
cctcagtcgt ctgggcagat cgtgtcctcc atcacggcct ccctgtgatt cgatggggcc    120
ctgaatgtgt acttgacaga attccaaacc aacttggtgc cataccccca catcaacctc    180
cccctggcca cctacgccct ggtcatctca gccaagaagg cctaccatga gcagctgtcc    240
gtggccaaga tcgccagtgc ccgcttcgag ccagccaatc agatggtcaa gtgtgaccct    300
caccatggca agtacatggc ctgctgcatg ttgtacagag gggatgtggt cctgaaagat    360
gtcagtgcgg ctgtcgccac catcaagagc aagcacacca accagtttgt ggactggtgt    420
ccgattggat ttaaggtagg actgggtgat g                                   451
```

<210> 614
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (29)...(482)
<223> similar to gi4753153 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 614
gattcatagt gcagtgtggt ggaattcgat tgcgcgaacc atgctccgaa tgagtgagat   60
taccacttcc tctagtgctc ccttcaccca gccattgtct tccaatgagg tgagtttcat   120
gttcttgcac taactttctg acagattctt gggtgttatc aacgtttatt atacacagat   180
cctgagtttg ggttgaggtc tgagccttga aagagaaggg catttgatgt ggagcaggga   240
ttatcttcaa gtgatgagca ctgaaatgtt tggtctctta ggatccagct tttaaaaatc   300
tacactattc acttagtcaa agtatctatt cgtcaagtac agcctattcc taattatttt   360
aagaatccac aatttggact ctgagagcct tggcattcag gacattattt gaccccctgt   420
acttaaaata tcgatattta atatatccaa tatgtgttat ttatattact ttcatagtaa   480
ta   482

<210> 615
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(425)
<223> similar to gi553653 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 615
tccagtgtgg tggaattcac ccgcctccgc ccggcgctcg ggcgggaacc cgggcgcatc   60
cgcacgtgcg ggcgctgctg caggtgtgtg cggctcagcc cctgcctgga cagcgctccc   120
tccccaagcc tgagagtccc tgcctcgcgc gccccagggc ccgaggtccc gctccccaat   180
ttccctaga gatccgggtc gccccaagc gaggtctctt gctccacgcc cgcttccttg   240
tgccagggac ccccacctcc ctgcataaag gcgtggggtc ctctccaagt ccccctcgcg   300
atcccactgg acttcgaagt caggctcctg cccgcccacc gcctctgtgc cagggtccaa   360
cccccgcccc acggtgcacc ccccagggcc tggggtccca gtccccaagt accccttgct   420
ataag   425

<210> 616
<211> 1083
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

381

<400> 616

```
tctcggctga cttatttatt ggagacctgg atgcagagac aacgaggcgg ggagtgggct    60
ggggcgacca gcagtgagtg caataaagga caccactctc ccggccttgt gactttgacc   120
atgtgtccag ccagccacac ctggagctcc ctatgggcca gtgccatcct gggttcccct   180
gcaaatcccg gccccagcaa gcagccactg caatgtccca gttaggctgt ccattcccca   240
actttattca caaatctggt gtctgtagaa agctgggggt cagcaggctg ggggcggctg   300
tccagactcc cctggcccca tgccctcagg gagggagcgg cagatcacgg agatgcgccg   360
gccccgggga atccggcgtt ccccaaagaa ggactcttca tcccgaagga tctcatggga   420
gaagtcataa cgggctgagc ccctaaggat gtagagggag cccggctcca gcaagagttc   480
cgagccactc ccccggctcc tggggtgtgc accagaccgc ataaccgctg ggagacagga   540
gagacaggcc cggcgattgg tggcccccgc agaacttgat gctgtccacg tggggcttga   600
tgtagccgcg ggcttccagg tccagcacgt gcacggagga gagcagggtc tggccggggc   660
caaaggcggc cgcctgcacg cgctgcagga tggcccggct ggcttctgac cagcgcgact   720
tctctgtctc tcggaagccg tggatggccg cgtcccagtg atcgtattcg tagcggcggc   780
ggcgcagctc gggctccagt tctcggctca gcgtctcctc ctctgccgtg ctcaggaagc   840
caggccgcac cacggccgcg tcctgcaggc ggctcagcac ggaagggccc gagcctcgca   900
cccagctggg ccctggcagc gtccgcagcg ccagcagccc agtcccggcc ataatcccgg   960
agcggggtca tgagagaggg cagggttggg ggaacgcccc cgccaaaagc cattgggggt  1020
acctgcggca cggattgact tccctcagag tcccgcctct cgctccaaca tcangactcg  1080
tgc                                                                1083
```

<210> 617
<211> 1750
<212> DNA
<213> Homo sapiens

<400> 617

```
ggcagagcac cactgacgta ctccctgtta gttttcagtc ataggtaggg gcacctggga    60
ggccatcagc tcggaaagcc ctgtgagatc cccgagattc gccgttctgg acctggagaa   120
aaagaagtcg tatgtcttca gagagcgatc tatgaaccac catggcctga gcgatccctc   180
ggagcccagc gaacccatcg ccttgcgggg cccgccagct accctccctc ctccagctca   240
agttcaagct ttcagagaca cacagacctc tgtctccctg acatgggatc ctgtgaaaga   300
```

```
cccagagctc ctgggttatt acatctactc ccggaaggtg gggacatctg agtggcaaac    360
agttaacaac aaacccatcc aaggcaccag gtttacagtt cccgggctga ggacggggaa    420
ggagtacgag ttttgtgtca ggtcagtcag cgaggctggg gtaggcgaga gctcagccgc    480
caccgagccc atcagggtca agcaggctct ggctaccccg tctgccccat atggctttgc    540
cctcctgaac tgcgggaaga atgaaatggt cattgggtgg aaacccccca agcgtcgtgg    600
aggtggcaag atcctgggct acttcctgga ccagcatgac tcggaagagc tggactggca    660
tgcggtcaat cagcagccca tccccacccg ggtctgcaag gtcagtgacc ttcatgaagg    720
ccacttctat gagttccgtg cccgggctgc caactgggca ggtgttggcg agctgtcggc    780
acccagcagc ctgtttgagt gcaaagagtg dacaatgccc cagccaggcc ccccgtacga    840
tgtacgggca tccgaggtgc gggccacatc cctggtgctg cagtgggaac ccccactgta    900
tatgggggct gggcctgtca caggctatca cgtcagtttc caggaggaag gctctgagca    960
gtggaagccg gtcacctcag gccccatctc tggcacccac ctgagggttt ccgacttgca   1020
gccaggaaag agttacgtgt tccaggtaca ggccatgaat tcagctggtc tggggcaacc   1080
gtccatgccc actgatcccg tgctcctgga ggacaagcca ggtgcccatg agatcgaggt   1140
tggtgtggat gaagagggct ttatctattt ggcttttgaa gcccctgaag cccccgactc   1200
ctcagagttt cagtggtcca aagactacaa gggcccactg gacccccaga gggtcaagat   1260
cgaggataaa gttaacaagt ccaaggtcat cctgaaagaa cccggcctcg aggatttggg   1320
cacctactca gtcatagtca ctgatgccga tgaagacatc tccgcaagcc acacgctaac   1380
cgaggaagag ctggagaagc tgaagaagct gagtcatgag atcagaaacc cagtgatcaa   1440
actgatctcc ggctggaaca ttgacatcct ggagcgaggg gaggtgcggc tttggctgga   1500
agtagaaaag ttatctccag ccgctgagct acatctaatc ttcaacaaca aggagatctt   1560
cagctcgccg aaccgcaaaa tcaattttga ccgagagaag ggcctggtgg aagtgatcat   1620
ccagaacttg tctgaggagg acaaagggtc gtacaccgct caactccaag atggaaaagc   1680
caaaaaccag attaccttga cactggtgga tgacgatttt gacaagcttc tgaggaaggc   1740
agatgctaaa                                                          1750


        <210> 618
        <211> 503
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(480)
        <223> similar to gi2723316 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 618
ctacacataa gataattaat gctggaggga aatcccaccc atgtggcaaa gcttttaatc     60
aatcctcaaa ccttactaaa cataagataa ctcatactgg agaaaaatct tagaaatgtg    120
aaggatgtgg taaagccgtt atccagtcct caactcccac taaacataac ataattcata    180
ctggagagaa acctcacaac tgtgaagaat gtggcaaagc ttttaaccag tcctacaaac    240
ctttttgaac aaaataattc atacaggaga gaaacactac aaatgtgagg aatgtgacaa    300
agcctttaac cagtcctcaa ttcttaccaa acataagaaa attcatattg gagattaacc    360
ttatgagtgt gaaaaatatg gcaaaggctt tgactagttc tcagttatta ttattatttt    420
tggagatgga gtttcactct tgttgccaag gctgcaatac tgaggcatga tttcagctca    480
ctgcaacctc cgtctcccag gtt                                            503
```

383

<210> 619
<211> 1452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (342)...(1383)
<223> similar to gi1203941 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 619
```
tgggaagaaa attatttcag agcttggata tttctgaaag actaaaattt ttgcttactt       60
tggattgtgt agatgacact ttaatagttc tggctgaaga gcatggttgt ttggacatta      120
taaaggagct tcctgaaact gtgatagatc ttttgaataa gtgccttacc ttccatcctt      180
ctaagaggcc aaccccagat gaattaatga aggacaaagt attcagtgag gtatcacctt      240
tatataccccc ctttaccaaa cctgccagtc tgttttcatc ttctctgaga tgtgctgatt      300
taactctgcc tgaggatatc agtcagttgt gtaaagatat aaataatgat tacctggcag      360
aaagatctat tgaagaagtg tattacctttt ggtgtttggc tggaggtgac ttggagaaag      420
agcttgtcaa caaggaaatc attcgatcca aaccacctat ctgcacactc cccaatttttc      480
tctttgagga tggtgaaagc tttggacaag gtcgagatag aagctcgctt ttagatgata      540
ccactgggac attgtcgtta tgcccgctaa gaaatagatt gaaagatgtt gggggagaag      600
cattttaccc attactttga agatgaccag tctaattttta ccttattcaa acagcaataa      660
tgagttgtct gcagctgcca cgctcccttt aatcatcaga gagaaggata cagagtacca      720
actaaataga attattctct tcgacaggct gctaaaggct tatccatata aaaaaaacca      780
aatctggaaa gaagcaagag ttgacattcc tcctcttatg agaggtttaa cctgggctgc      840
tcttctggga gttgagggag ctattcatgc caagtacgat gcaattgata aagacactcc      900
aattcctaca gatagacaaa ttgaagtgga tattcctcgc tgtcatcagt acgatgaact      960
gttatcatca ccagaaggtc atgcaaaatt taggcgtgta ttaaaagcct gggtagtgtc     1020
tcatcctgat cttgtgtatt ggcaaggtct tgactcactt tgtgctccat tcctatatct     1080
aaacttcaat aatgaagcct tggtatatgc atgtatgtct gcttttattc ccaaatacct     1140
gtataacttc ttcttaaaag acaactcaca tgtaatacaa gagtatctga ctgtcttctc     1200
tcagatgatt gcatttcatg atccagagct gagtaatcat ctcaatgaga ttggcttcat     1260
tccagatctc tatgccatcc cttggtttct taccatgttt actcatgtat ttccactaca     1320
caaaattttc cacctctggg gataccttac tacttgggga attcctcttt cccattctgt     1380
attgggagta ggcaattctt caggcagctg cggggaccgg cttttgggct aatgggcttt     1440
aaatggagtg ta                                                        1452
```


<210> 620
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (651)...(92)
<223> similar to gi3169118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 620
tttttttttt ttttatttac atggattttc ttttttaata gtaaagcatc atttattggt   60
cccgttattc ccgacaccaa acccatctcc actttacagt tgaggaaact gaggctcagg   120
gagtctacaa atcctggcca aggacagtgg cagaggcgct atctgtctcc aaagccccaa   180
ggtgttggcc ccnttcctgc tttggagctc caggctcctg tgaatgggag tctctggtct   240
gccccacttg gaggagccag gagaggcagg gaactggggg aggatggaag ctcaccccgc   300
acagccagtg cgaagatgca gcgtcggcag aaccaaggtg tgagcagggg ctggtcagca   360
ctgcccgcta tggggatgtg gcactgctgg ttggtaaccc aggccacact tcccgcagat   420
gaggatctca ttcagcggcc ctgatgtctt ccctaggcag atgttgcact tgggctcctc   480
tcctggaaca ccggcatgct gtatgtcctt ccataggacc cagtatttgg aattatcttc   540
gaaagtcacg aggcagcttt gcttagagct gctgaccctc ttgatcttcc cgaggtagta   600
caggccatct gtccaccggc acagcacata ctggccctnc gtcagtttgg a   651

<210> 621
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(697)
<223> similar to gi179337 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 621
tcagtgtggt ggaattcaag aacctgagcg ggactatgag aacgagtctg agtcttcgga   60
gcccatactg ggcgaggaat ccatggaagg ggatgagcac attcacagcg aagtgagtga   120
aaaagtcctg atgaatagtg agaggcctga tgagaaccac agtgagccct ctcaccagga   180
cgtcatcaag gtgaaggaag aatttacaga ccccacttac gacatgtttt acatgagcca   240
gtatggactg tacaatggtg ggggtgccag catggccgcc ttgcatgaga gctttacatc   300
gtctctgaat tatggcagcc ctcaaaagtt ctccccagaa ggtgacctat gttctagccc   360
agaccccaaa atctgttatg tgtgcaagaa gagtttcaaa agctcctaca gtgtgaaact   420
tcactacagg aacgttcact tgaaagagat gcacgtctgc acagtggctg gttgcaatgc   480
tgcattcccc tctcgccgaa gccgagacag acacagtgcc aacataaacc tacatcgtaa   540
actgttgacc aaagaactcg atgacatggg cctggactcg tcgcagccct cccttagcaa   600
ggacctccgc gatgaatttt tggtgaagat atatggtgcc cagcacccca tggggctcga   660
tgtcagggaa gacgcctcct ctcccgcagg gactgaag   698

<210> 622
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(439)
<223> similar to gi2072967 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 622
```
taaatggaga gacatactgt gtttaaggac tggaagactc aatattgcag ggatgtctat        60
tcttcctaga tagatttcat agataagatg caatcccaac agttttgaaa ttgacaagct       120
aagtttaaag tctacatgga aatgcacaag gtcgggaata gccaaaatgc tcttgaagaa       180
caaggaagga ggtcttgctc taccagatac caagacttat tataaagcta tagtaaacaa       240
gataataagg tatgggttta gagatgctca aatagaccag aaaggaatag agaacctgaa       300
aacactctca tacgtaaatg gacacttgat gtgtgacaga aatagcactg cacagcaatg       360
aggaatggac aggcttttaa ataatgtagg acaattgggt atccattagg aagaaaaaag       420
gaattggacc cctcct                                                        436
```


<210> 623
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(746)
<223> similar to gi3880030 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 623
```
gtgggctgaa gctgcgcaag tcggagtcca agagcagcct ggccagccaa cgcagcaagc        60
agagctcctt tcgcagcgag gcgggcatga gcaccgtcag ctccacggcc agcgacatcc       120
actccaccat cagcctgggc gaggctgagg ccgagctggc ggtcatcgag gacgacatcg       180
acgccaccac caccgagacc tacgtgggcg agtggaagaa cgacaaacgc tccggcttcg       240
gcgtgagcca gcgctcggac gggctcaagt acgagggcga gtgggccagc aaccggcgcc       300
atggctacgg ctgcatgacc ttcccggacg gcaccaagga ggagggcaag tacaagcaga       360
acatcctcgt cggcggcaag cgcaagaacc tcatccccct gcgggccagc aagatccgcg       420
agaaggtgga ccgcgccgtt gaggccgctg agcgggccgc caccatcgcc aagcagaagg       480
ctgagatcgc ggcttccagg acctcccact ctcgggcaaa ggccgaggca gccctcacag       540
cagcttagaa agcccaggag gaggcgcgga tcgcccagga tcactgccaa agagttctcc       600
ccttccttcc agcaccggga aaacgggctg gagtaccaga ggccgaagcg tcagacctcc       660
tgtgacgaca tcgaggtgct gtccaccggg acacccctgc agcaggagag ccccgagctg       720
taccgcaagg gcaccactcc ctccga                                            746
```


386

<210> 624
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (56)...(726)
<223> similar to gi3063699 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 624
```
ctagtccagt gtcgtggaat tcctgggcag tgcctcttta agaagtcaag actcagccct      60
tcctcccagg gacatctttt cttgatactg acactccgcc tgtcccccat ctgggtcctg     120
aggccagcta gagggaggcc tccagggccc cgcatccccc tcactgccac atctgcctcc     180
caaccaggtt ccttgcattt atctgctcct gcaccttgcc cagtcccccc agccctgcca     240
tctggccctc ctctctcctg cttcccgctc atgccaccat caagccgtga aatatccaga     300
cgctgccaat ctgatcaccc aactcgctcg cccaaggagc ctccacgggg aaatcccagc     360
tccttcctgg ggcccacgag cccctcctca gtctggctta tcccacccca cgcttcatcc     420
tggctacccc aaggtcgggc actgagcctc acacccagaa cctcgcaggg acgcatcctc     480
cctgtcagtt tcacctagta tcctgctccc cacaggcctg ggggggaaaa agtctagagt     540
gtgagccacc ccttccctgg cctcagtgtc cccagctgtc agagggatga gatgacagcg     600
ggcccaccct caggttgtca cgcagaccta gtgctgcgtg tggtggagag gccgtgagtg     660
ttcctgtgtg cttctttccc ccaccttcct gggttagtct gcagggccct cctcgagagc     720
ctgngtcctt gggtcctgga tcgttct                                        747
```


<210> 625
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(438)
<223> similar to gi3983139 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 625
actgtgtctt gagagcctgt caccggagtt ttttacctca gtggtgcagg gtgtgctcat   60
ctccctgctg ggctccctgg gggctcgggc tggcagcagt gaaagtattg ctgccttcat   120
acaacgcctc agtggatcca gcaacatctt tgagcctgga gctgatgggg cccttggtga   180
gcaaaaagga tgctttggct tgctccagga aggggcagcc agaggaatgt agatggcctt   240
ggtttagggg tattgccaag gtgggatgag gttgatgatc tggttgtggg tgggcaggcc   300
aggtggtaaa ggccattgct aacatctgcc cttgtccccc aggattcttt ggggccttgc   360
tttctcttct gtgccagaac ttctctatgg tggacgtagt gatgcttctc catgggcatt   420
tccagccact acaacggg   438

<210> 626
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(363)
<223> similar to gi190672 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 626
ttagagtggc ggactgccag acagaacccc tcgagggaca gagcaggaaa gaggacaagg   60
ggtgggggtc tcagcagggg caaggcttca ctaaagaata ggggaccacg gggtgtggag   120
acacactgga atcttgtgga ccctctgagc ctagggtctg ggtggtgcct aacagcaatg   180
aaagggcaga gttccaggat tgcagatggc aaaacgcctg cgtggcagca agtgggagtc   240
ttcactggcc tgcccctcct tctgtgtggg gcactctcca caggcttcc agctcatcta   300
gatgaggagc tccaagccac actccacgac tttagacatc aaatcctgca gacaagggga   360
ggtaagggga ccccctgggc ctcacggggt aggagtttcc cacaaattcc cctcattctc   420
agcaccagct tctagaacat agagatgaca aacaagcgtg cacatgcagg tcttggggaa   480
aggaatgatg cttgctttc tgatgtctt   509

<210> 627
<211> 998
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(1001)
<223> similar to gi4240130 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 627
```
agtttccagg tgtctggaaa tgaagtatgg aaatgaaatc atgaataaag acccagtttt      60
cagaatctct ccacgaagta gaggaactca taccaatcca gaagagcctg aagaagatgt     120
tcaagctgaa agagtccaag cagcaaatgc actcactact ccaaacttgg aggaggaacc     180
agtcataact gcaagctgtt tacacaagga atattatgag acaaagaaag ttgcttttca     240
acaacaaaga agaaagcagc catcagaaat gtttcgtttt gtgttaaaaa gtgaagtttt     300
gggattacta ggacacaatg gagctggcaa aagtacttcc attaaaatga taactgggtg     360
cacagtgcca actgcaggag tggtggtgtt acaaggcaac agagcatcag taaggcaaca     420
gcgtgacaac agcctcaagt tcttgggtac tgccctcagg agaactcact gtgtcccaaa     480
cttacaatga aagagcattt ggagttgtat gcagccgtga aaggactggg caaagatgct     540
gctcttagta tttcatgatt ggtggaagct ctcaagctcc aggagcaact taaggctccc     600
gtgaaaactc tatcagaggg aataaagaga aagctatgct tcgtgctgag catactgggg     660
aacccatcag tggtgcttct agacgagctg ttcaccggga tggaccctga ggggcagcag     720
caaatgtggc agatacttca ggctaccatt aaaaaccagg agaggggcgc cctcttgacc     780
acccattaca tgtcagaggc taagtctctg tgtgaccgtg tggccatcat ggtgtcagga     840
acgctaaggt gtattggttc cattcaacag ctgaaaagtt tggtaaagat tatttactag     900
aaataaaaat gaaagaacct actcaggtgg aagctctcca cacagagatt ttgaagcttt     960
tcccacaggc tgcttggcag gaaagatatt cctcttta                             998
```

<210> 628
<211> 1523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1310)...(0)
<223> similar to gi1370543 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters-

<400> 628
```
gggggcccca taaaaaaact tttaccttgc cagcccgcgg tagtaaacct ggatccttta      60
aaacggcccc ccctttttttt tttttttctt gtttcaagtc caatttattt cacacaacac     120
acaggctgct gagggaatcc acctgcactg cactcagttg aacttccggc ccagtgccgc     180
gtcagagact aaaccatggg agaaagttca caccctggcc tgggccaccc accttcagct     240
ctctcctgtg cgtcaggacg cacgctggcc ccaagagctt cactcaacac ggctgggtcc     300
tgggcggacg tgggcacagc acttgccagg cgcccctggc aggggctctt ctcagtcctc     360
cgcaccgctc tcctctccgc tgtcttcgtc gtcgacccca ccctcggcgc cctcaacctc     420
ctcactgtcc tcttccgagt ccgtctcctc cagccactcc tgagtttctg ggtccatctc     480
caccaaggcc ttccacgcct ccatcctgtg caggtccagg cagtgcaggt cgctgagggt     540
gacctggcgg tcgccggcct caaacatgcc cccatagacg tagagcaccc catgcttcac     600
agccagcatg gcgttggagc gtggacacgg cccaggtgcg gggctgccgg cctcctcaag     660
gctgtcttcg tcctcagacc ggggctgccc cgccgagcct ggcgcggtga gcacctgctt     720
aatggtgacc acggtgccat cctcggccac cacctccttg accagctgca caggcccctg     780
ggtgccagct cccccacacg ccggcctgct accaccttcg ggctcctctt ttctgccccg     840
cctgcgtttc ttcttttcag acttgggtcc cttcagctgt ccctcaaacc aacggttcct     900
ggtggcgtcg tagaagtaca gatcgttgaa gaactcgccc gacaggctct cctcctcttc     960
ctcgtcacag acaccccga agaacagtgt ctggtgattc ggggccatgg ccacggaaaa    1020
gccagaccgt ggggtgggct tgaccccga agggttcatc cgagtccaaa cccacttgtc    1080
ttctcttccg tcctctggct tcagcaggaa catgtctgag tgccgtgtgc ccttgtccac    1140
```

```
gtctttctta actctctgtt tcgagtagcc cccatagacg acgatgccgc cctggggagt    1200
gacggacatc tggcagcctg atctgggtgt gggccccgtc cctgacgggg acagcttgct    1260
ccatgtgaag gtgtccagat taaaggcata cacgtcgttg tagtagatgt aatccctggt    1320
tagaagaaca gcagctgtca gggtccgtaa cattgggaaa agccctgaca ttaaaaactg    1380
aactgattta aattaaaggt aaatttccta ctgtttgggg aaaaactcaa accatttttc    1440
tcctctgctc ttacaccaac acaacaatca acacagaaac gtggccggaa ttccaccgct    1500
ctggactagt gatctgcgat caa                                           1523
```

```
    <400> 629
tggaattccc cggctcgagc agccccagca gccctgctgt ccgggacttg gtggagaggc      60
atcaggttag cctgtgtcgc tcccagtcct tctcccacca gcagcctttc cgaagccacc     120
tcatgaggtc gggcagtgtg atggagcgca tagccatcac gccccctgtg gcctctcctg     180
ttggccgccc cctctacctg ccccccggaca aggctgtgtt gtctctggac aagattgcca    240
agcgcgagtg caaggtcctg gtggtggaac ccgtcaagta gcaccgtgcc agctctgttc     300
cctcttacac tccagagacc caacgccccc agaggggatc cctgctcccg ggctgtgcct     360
cccctgggat gcctcccaga cgggggtgaa gaggcctggc agagctgcct gtcttgtgtc     420
tgctgatgag ggatggggga agaagctgtg aagtgggcgg gcatggctgg gactaagcca     480
ccagtattcc ccgagttcct gtgggggggg ctggccccac ccctaggcca gggcaagggt     540
tcccagagct cccttgtccc cggccctta ccctggttct gagtttacaa agtctcttcc      600
tcattcccgt tgagttcttt cccacctctg acattccctc cctccctccc gcagggctga     660
gattagaggg tggtgatggc taagggcccc tgacagtgac cttcctgtct caggggttgg     720
ggacagggcc aggtagcctc ctgcccctta tgtttacgtt tgcagcctga agcactttaa     780
tttttttttt tttgggccgt tccctgtaac gttattttcc aactattgca ttccaactga     840
aaaaaaacta ttaaatgcct gttcgggagg gaaaaaaaaa aaaggggggg ggcccctta      900
aaaaaaccct tggggggccc aaatttaacc ggggatggaa aggaaaaatt ttttttcctta     960
agggggggcca aataaaaacc tccttgggaa ttttggaaaa aaacccttt tttggggggg    1020
ggccaaattg ggcccacccc cccccaaaa tttaaagcct ttagggaaaa aaaaaatttt    1080
taaggggaaa aggggggaaaa aaaaccccaa aaccctgggg gttaaaaaat gggccnnnac   1140
ccnnaccttt aatacaanta caggcggntt gcttctgcct aacgatacccc atcaaggggg   1200
ggcctcagaa tctaatgcg                                                1219
```

```
<210> 630
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(289)
<223> similar to gi3193226 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 630
ccaccatgcc tggccagccc agcagtttct tatcccatgt agcaaccact ggtgcaggtg     60
gcagcctggt gcattgggga gtatggggac ctcctgctgg cagggaactg cgaggagatt    120
gagccccttc aggtgagacc tcattggggg tacactgagg agggacttgt caggggaca    180
ggacttgcac cagggccact aactgtatcc atgtctgaag gtggacgaag aggaagtgct    240
ggcattgctg gaaaaggtgc tgcagtccca catgtccctg ccagcaggag gtccccatac    300
tcccccaatgc accaggctgc cacctgcacc agtggttgct acatgggata agaaactgct    360
gggcgtcgac gcggccg                                                    377




<210> 631
<211> 1468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1469)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (845)...(1445)
<223> similar to gi953172 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 631
agttcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    180
nnnnnnnnnn nnnnnnnnnn nnncctagag ttcttagaga atttctagct tctgtttctt    240
taaacatgtt ttattagctt tctaaattat gaaagtaaat acaactggaa aaatacaaaa    300
tccaaagtca agggagtaaa aaaatgtaac tcccttgttt cccctccccg cgtaaccgtg    360
gttaacagtc ggtgtgcacc cttacagatg tttttttctat gaaaatacaa acattcgact    420
tgtttcttgg actttacctc gcagtccgag gagaatcatg tgaacagcat gaaagcagca    480
tggtccgaag actgcaaacc ataacatttc catatctact gactctgaat tcctgtttct    540
```

```
agaggacccg cacccacgtg gctctgtgca tccgcagcaa cttggtcttt cttcctttgc      600
tgagtttggt taagggaaag ggccgattat tgagtgggct cagttcacag gtgcctgaaa      660
ttcctactta gcaatgttcc tttccagctg attccgcctc cgagagcctt aggaaaaaat      720
gctaacagtt aggagcgaag cgtccttaat tgctcagtcc aattatctag atgggtccag      780
gttcggtttc gattcagaga taaggaccag ggggcgggga cgcttccagg tgagcccctg      840
gttaggcttg cctccccgcg gagcgcacgc gggtctcgct ggctggactg ggcctttcaa      900
gaccaggtaa cttctccatc cggtatcgcc aggcttacct ggggcctca gaattgtgtc      960
agctgcgtct ctgagtcacc ttggaacccc tcgaaggagc gcggggctag gagggcgcat     1020
cggtgggccc ggggaccccg ctgctaggtg tggttggcgc caaggccgcc tctggccggc     1080
ggagccctgc agtgtccgga gggtgcggtc agagtccggc cctttaggcc ttgcctcggt     1140
atccgccttg ccccttgggc cgcggcacgg gttcgggccg agcgcccggc atcttgcgtt     1200
tctggcttcc tgagacgggc gtgggacctc gaggaaacca ctctgcatga ccccacgaag     1260
agaactaagg accacccccc acccttcctg tcctggacgg cttcataagc cagaggatcc     1320
agtggcagta ccaagcaggg caccactctg ggtcgtgagc acctaagagg tggagcaaag     1380
gtcagacccc agggtggccc aggcctccct cccccgcctc cccggcgggg ccattcctca     1440
cccggaattc caccacgctg gactagag                                        1468
```

        <210> 632
        <211> 852
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (50)...(666)
        <223> similar to gi726436 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 632

```
ctcagccggt ggaattcggg gcccagacgg gcgctttgtg atggggccca ctgtggcggc       60
cccccaggaa aggtcaggcc gggagcaggc agaacctcgg actccagccc agcgtctggc      120
ccggtccttt gactgtagca gcagcagccc cagtggggca ccccagcccc tctgcattga      180
agacatcagc cctgtggcac cccctccagc agccccaccc agtcccttgc caggtcctgg      240
accctgctc cagtacctga gcctgccctt cttccgagag atgaatgtgg atggggactg      300
gcccccgctt gaggagccca gccctgctgc accccagat tacatggata cccggcgctg      360
tcccacctca tctttccttc gttctccaga aacccctcct gtatccccca gggaatcact      420
tcctggggct gtggtagggg ctggggccac tgcagagccc ccttacacag ccctggctga      480
ctggacactg agggagcggc tgctgccagg ccttctccct gctgcccctc gaggcagcct      540
caccagccag agcagcgggc gaggcagcgc ttcgttcctg cggccccct ccacagcccc      600
ctctgcagga ggcagctacc tcagccctgc tccaggagac accagcagct gggccagtgg      660
ccctgagaga tggccccgaa gggagcatgt ggtgacagtc agcaagagga ggaacacatc      720
tgtggacgag aactatgagt gggactcaga attccctggg gacatggaat tgctggagac      780
tttgcacctg ggcttggcca gctcccggct cagacctgaa gctgagccag agctaggtgt      840
gaagactcca ga                                                          852
```

        <210> 633
```

<211> 1760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1761)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (152)...(1734)
<223> similar to gi3242649 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters


<400> 633
tttttttttt ttgcaatgaa aaccctttaa tgttgggctt tctttaaata aaacagaaag      60
gttgcagctt tcccatggtg gctgtaaggc aagaacagca gtgagggcgg gcgtgttcta     120
tcgggcagtg ctgcagccct tgactctggc tcaaggtggg cttcctggag gcagcggcaa     180
ggaggcagtt ctggatgtgc aggcacagat gtaggggaac aggcaagcgg gcacagggcc     240
ctgagctgac aagcagtgac ccctgcaccc agctagatgg ggcacccect ctctgggagc     300
tgagggcatc agctggagcc tcaggctggg accagcccca actttgcctt ggtgactctg     360
ggccattcca ggcctcagtt tccccagctg taaggtgagg cattaggcag gaggggtgg      420
ccccagccag tgtcctagta gcctggtgtc tccattaggg agacctgaga agctgccagg     480
agaggctctg ctagcgcaag gcagggccgg cccagcagct gacaaggaac atgctgaata     540
tagaggacag aggagttaag aagacgcctg ccggccaggc cagagagggg cagctctaag     600
ggggtacagc ggcctgtggt gctgtaggcc cagaaagggt ggggatcagc ccaagtcaca     660
gagcatggcc ctggtgggcg gcgaggggtg cgagtggaca aggacacccc tgcagagtcc     720
cacccccact ctattccctc caacaaggga acgcccagca ggaagcctgc tgtctttcca     780
ggagcccctg tgccacctag tctgacccct ctcagccaca aggctaccct cccgtccagc     840
ctgactggag gtagaggagg aggaggaggc aaggccgact gcagtgggga gcccgggtgc     900
cccgtcctct gtcagcaaat gcctcccttc catctgcctc tagccccggc ctctgaccac     ·960
ccaggctctg ccccaggcct gcaaccacct cagcggaagc cagagggct gcctggcaga     1020
tgccgctctg acccttcagg agtgcccact gcacctgaat caggcccagg ccctggagag    1080
cccaggcctg tacccaggat gctctggtct ggccctgcct cggcccttgc agtggtccga    1140
gccaggatct aggctcggga ggcacttgtg ggtccctttg ctccaggcac catcctcccc    1200
tacctaggcc cacatgagtg gcctcatcgt agggccaggc aggactctcc tttgcccatc    1260
catccccacc ttgagggcag agctgggtca ggatgccaat gccactcctc cttctgccta    1320
gcgtggagcc cagcacagag gggtatcaat aactgggggg gcccagtggg tggagcaggg    1380
tgggccaggc tggtcaggag gctactccag ctggaacaga gtatggctga gactgcccat    1440
ctgtgggcag cccccaggcc caggatggtg gccagggcag acggtgtgaa ggtggcggtc    1500
actggtcctt ggtgacatca ctgagcccac tctccatgcg gagcagctgg ctgctggcct    1560
cgttgtagga gatccagtgc tgcagatcag cgggcagctc aggggggctcc accctgcgct   1620
ggcacaggtg ctgcacgacg cgctcgggtg aggtgcccag caggtgctgc cggaagcgca    1680
gcagcgcgca cacgaaaccg tcccgcaggc tgacaaagcg cgcctccagg tagaacgcgc    1740
ggaagtcgnn aaaacgggtc                                               1760


<210> 634
<211> 518
<212> DNA

<220>
<221> misc_feature
<222> (13)...(518)
<223> similar to gi3327142 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 634
ctggtggatt tcgtcatggc catcagtccc agtgaggaga ccaagctgca gatgttcatg      60
tggagccgca tcatcttcag cctgggcttt gtcattagtg gccactacaa ggactttgcc     120
agggatgtgg cagcctccat agcattcacc aatgacctga acggtgagca cccgcacaag     180
gcagcggaca tggagggtct gtacacgctg gacacagcag aggtggatga ccgcagctac     240
tgggtcaggt tccagtcctc atccctggca tcctggagtg ggaccaggag cagagtgtca     300
tctatggctc cactgacttt gtaagatggt ggtgtggccc ccatcgtgtt gcctggatct     360
gctggagcat gagttaactg ctcaagaccc tgtgccactg catgctcaac cagtgcaacg     420
atgaggcgga gctcttctcg gttgagggca agggtgtcac tggcaatgac agatactacc     480
tgctgagccc cctccccctg acctcagctt tcctgcct                             518




<210> 635
<211> 1213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(865)
<223> similar to gi3676826 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters




<400> 635
acccagctaa acctgttcct tgaagaaagg gtgaacctca aattcaaagc ccctctcttt      60
ctcttccctc atcagaatcg gctcccagac acctgccact cgtgaatgca tctgataaac     120
tcactcacac tgaggccttg gggactgagg ccctggcgga tcacgggtgc ccagggctc     180
ggaggccgcc tcctctggga agcctgccca ggttccgatg gactcccaca ggcaataccc     240
ctgggccttc ctcgcggccc ctgttggccc caattccccc accccctgca aggtctgtgc     300
ctctcctgca gccccgccac caactagggc gagaggagct cgcccccacc caaacgtatt     360
ggttcgatga aggaagggcc catggttctg ccactggccc tggacaccca gtgctggttt     420
cccgtggaag tcccccctgga ctgagtggcg gctgggtgct ctagtgattt gcgacctggg     480
gcctctgact cccatcatgt tgggaaagtc gttgaacctc accggtgaaa cgggcacagt     540
gaagtcattt ccccgaagtc tcaggactct gtgtaaggct ggggacaggg gcttgttggg     600
gcctaagggc accttgggaa ctgcaggagc ccgttctgcc tccataagac actcactcct     660
ggcagggtcc cctctccggg cacagcccag atccacccc atcatccctc tccatctgtg     720
gctccctgcc cctcacagag gattcatcac tctgttcaga atccccagga ctccctaggg     780
aaggaggtcc cagcctggcc tcccaagacc gtgcttgccc aattccagga cttcctcaca     840
tggctcctac ctccagcaca gaagcggcac taaaccaggt ggtcaatcag ggagcaccac     900
cgaggttctg aatggtccag ggatgagcag tgatgcctca agctaagcca atcaaagcct     960

```
tccctgggat tgtctcaagg agtccgcagt gagattctgg gtctcagtac tgggaaaggg    1020
tgaggctgag gctgcctgct gtcctggggg cctcaccctg ccaccaacag gaagccacac    1080
agagggaagc agaaatgaga cgcagccagt gagggcaggg tacaaaggtg agatcccgga    1140
gagacagatg ctgggacatc atccttgggt actggttcca acagtgcctg cagatggagc    1200
caccctcgga gag                                                        1213
```

<210> 636
<211> 1124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1094)
<223> similar to gi214044 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 636
```
gggcccgatc ccgagcccgc ggccgtggag gttcccgcgg ggcgcgtgct cagcgcccgg      60
gagctcttcg ccgcccgctc gcggtcgcag aagctgcccc agcgctcgca tggccccaag     120
gactttctgc ccgacggctc ggcagctcag gccgagcggc tgcgccggtg ccgggaagag     180
ctctggcagc tgctggcaga gcagcgcgtg gagcgcctgg gcagcttggt ggctgccgag     240
tggaggccag aagagggctt cgtggagttg aagtctcccg cgggcaaatt ctggcagacc     300
atgggcttct cagagcaggg ccggcagcgc cttcacccgg aagaggcctt gtatcttctg     360
gagtgtggct ccatccacct cttccaccaa gacctgccac tgtctatcca ggaagcttac     420
cagctgctgc tgaccgacca cactgtgacc ttcctgcagt accaggtctt cagccacctg     480
aagaggttgg gttatgtggt tcgacgattc caaccaagct ctgtcctgtc cccgtatgag     540
aggcagctta acctggatgc cagcgtgcag cacttggagg atggagatgg caagagaaag     600
aggagcagct ccagccctcg gtccattaat aagaaggcca aggccctgga caactccctg     660
caacccaaga gtctggcagc ctccagccca cctccctgca gccagcccag ccaatgccca     720
gaggagaaac cccaggagtc aagccccatg aagggcccag ggggcccctt tcagcttctg     780
gggtccctgg gccccagccc tggcccggcc agggaggggg tggggtgcag ctgggagagt     840
ggcagagccg agaacggagt cacgggagcc ggtaagcggc gctggaactt cgagcagatc     900
tccttcccca acatggcttc agacagccgc cacacccttc tgcgcgcccc agccccagag     960
ctgctcccgg ccaacgtggc tgggcgggag acagacgctg agtcctggtg ccagaagctg    1020
aaccagcgca aggagaagct ctccaggcgg gaacgggagc accacgcgga ggccgcgcag    1080
ttccaggaag atgtcaacgc cgatcccgag gtgcagcggt gctt                      1124
```

<210> 637
<211> 837
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(831)

<223> similar to gi3413391 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 637
tttttttttt ttagggttta aaaaggggct tgtttaatta attaaataca aggatgaggc   60
caggcagggc gggggagggg cgccacccac ggaaagcaca cgcctctcgg agccgcctcc   120
cctgcaaacg gctggaacca ggtcccagtg atcagcgact cctgggagag tggaggggtg   180
ggcgcaggtc tctccgagcc cctggacact ggagaggggc ccagttatag agttctggaa   240
cccacagccc tacctacccc tgctccagac aggcccctgc cagggctggg gccaaccaag   300
actcacaaag gaaaacgggg ccccagtccc ccacccaccc ccacagacta aggcatctca   360
ctagcgctgc cagaagaggg tttgaggcta gggacagaga acacagagag ccgagggctg   420
gatgggcag gaccctccga gcccagctcc agaagggcgt cccctgcctc cctcccccca   480
ggatcccagg cacccatccc tggatcctgc caggccgggg ctgggtccag gtgcacacca   540
gtgccatcca aagcccccct gtccccaagc gagaggcagg acggttctgg aacaaaaggg   600
ggtaccaaaa acctcctgca gccaacagtg gggggatcca cctttctggg tctgacatgg   660
aaccggggac ccttctcatt ccaggctggg ggtcctcaat acccccccca agaggaaatg   720
caacccaggc cacagcagga cgaccgctga caaggacaca aaggtggccc ccgaggaaca   780
agtccccacc ccacccaagt tcagctcaga gacccccga attacaccac acgggaa   837

<210> 638
<211> 964
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(209)
<223> similar to gi3598974 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 638
gtccagtgtg gtggaattcc cgggagcctc ctcaggctcc ctctattaaa gccgatctga   60
ctccgcccag ccagatgtcc cgagtgcgcc aaggactgtc ctctcaccca ctcctggatt   120
ctgccctgac ctccatcctg gacactgcct tgataacata gaccccttcca ctgacaccct   180
cgctctcaca ccccctccag ctttccgacc ccacaccgac aactccccgg cttccagacc   240
ctaccagcac taccctaacc ctcagccgac agtctcagcc ccaccgaccc actttcttgg   300
catatagccc cacttaagac ccctcctcta cttccttctg agtcctctac aaagacatcc   360
gggtactaca tttccatccc ttccctattt tgacaccaaa ttatggtgta gacagccctc   420
ccccaacccc aggccagtca ggcacaatcc ccccacccccc caaacgtcct ggactgcaca   480
gacctcccac tccagaccat ccaggcctgg ttcccaagac ccgatccttc ccctgcaacc   540
agacagtcta caactgcccc ctccagccca ttttctgccg tgaaacccca gccagccaca   600
ccagactctg gaacccttt tcgactgccc caactcttgg acaccaggcc aactagaaca   660
cccaacacca aactgtacag actctcccac cccaacctcc ccagactctg cacggatgtc   720
ctaggcccccc tccccaactc taaccagacc ccatccccct aagtcccttt gtcttgaccc   780
ccaagtcttc aaccaagata tcctcggcaa ccccacctcc caccctcctc ctctttctcc   840
tttcaaagac ccaactgagc acccgctctg attccccaca gcctttctcc ctgggcacca   900
ctcccttagt ctttcccagg cttactctcc cgaataaatg tgctaggagc tctgaaaaaa   960

<210> 639
<211> 1353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (110)...(1206)
<223> similar to gi2754696 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 639
```
ttttttaaa gttcacaaac cccttgaact ttatccatga gattttctga tgacccaatg      60
acttaatcct gctactgact taatcaaaac ccagtcccta cagaagagac ctgctccccc     120
gtcacagcgc cccccaccgg cccccatgc cgcttatttt aaaagcgcag ctcccacagg     180
ctgcctttcc ttcagtttct gtccatgccc ccagccccag gctgccctct cttggcggca     240
ccgtcccacc ccgcctgctg cactgagccc gctgggcctg ggggactctt gctcagtaga     300
acccgaggcc agcaaaagct cttagcccag gatggctgca gcagcgacag tcctgaaggc     360
tacagagaca cctggaaagg gaacaaggag agcacgacag tccctgtgct gaggatccag     420
ggtggtggcg gcaggggtta gtgtacagtc tcgagaaaac agggcggcgg caggggctg     480
cactgacctc tatacaccga gagggttttt aaagttgaat gacaagggca cagctacagg     540
aacgacccca ggaagaagtc ccgtgacggc tggagtcaga agcccctgaa acaagcacct     600
ccccagtgag gccccaccgt gtacccaggg tgctcatgac caccccccagg ctctgcagcc     660
tggccagaga ccaccgaggc cccaggaggg gcttcagaga tggagatgaa gctgcatctc     720
cgagccatga ggcccagtgg ggcccggaca gaggagcct ggtgttcaca caccacatct     780
gttttccaac aaagtcaaaa cacggtgggt cctttcagaa gatccccagc acccgacact     840
tcaactcaga ctccaggcgt cgggcgaggc cagacccagg agatcacagc ctgtagcggg     900
gacagaaagg tgtgcactcc tggaagcgtc cagcaacttc tctcttgttc aagtggcacc     960
ccaggtccag agcggggctt gtggggagag gagcacgggg gcttcgtcct cggaggcgcg    1020
gagctccaag caagggctga gcagcagctg ggagtctccc ggaggccaga acattactgg    1080
ccccgtgtgc acatgcgcct tcttggagtc ccaaaaggca gataccacgt atcccaccaa    1140
atatctactt acagattggg aaattgaggc aaaaagctca ggtaattccc acaaggccac    1200
agagctggta agcggtgggg ttgagattca gtggcaacgg gccgaggtct cctgggtgtg    1260
gtgtggaccc tgatggtgag cagggtaggg acctcctcga gcccccatgg aatcaggctg    1320
cttaccatca cgaaatccac cgcgctattc agg                                1353
```

<210> 640
<211> 1081
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1082)

          <400> 640
tttttttttca aaagatgaaa taacacactt agcatttatt gagcagctac gggatgtctt   60
gccttgcgct acaagaactt tccattttca tttccttttca cccctaggag gtagggattc   120
tttgccttcc agcacacaca gcagcctggg cccaancaag cctctaggat tctctaggaa   180
cagaagctca acagtgacaa accatgtctg tggctgagcc ccaaaagtcg ctggcctgtg   240
ttgggtgtga atggatgtta ggtgcctcga gtcagcgaca gagaccaacg gcaagggtag   300
ggatctcaga gtgcattgtt agagcctcgg ggtctggtcc aggaggccag cattgttgac   360
attttgtgat cttggaaccc ttctccctgc agcagaggga gcattaggga ggccgggaga   420
cagtgggagc accccctcac tgtaatgaac acaagtcccg taggggggctg atggagcagg   480
gccacctcaa tggacccact ttccctcccc agccctgat ttgatcaggg ccacagctgc   540
cggctagcag gggtggatgc tcccccgccc acttcctgga ggtccctgaa tgtccccatg   600
agtagggctg aggaacaggc cagaggtctg gcccacctgg ggccctgggg catggagaag   660
gattgggggcc caggcacttt ggtgaggcca gtggaggcca cagtcccacc cagggccctg   720
ccccggctac ctatgttcat aatccccagg ccaggataga gatcctcgct gccctctctc   780
caggaacccc tgccccgcct caccagtgtc tgggtccctc cctgggcctg ggttcctgca   840
ggacctggct tgggcaccac cctgcatccc tgatttccac ctgtgagcct ggcctgccca   900
cgtcccccac ccttcttctg ccctctcccc acctgggtca gcggcccccct ggaggcgaca   960
gggctgaggc ccgtccttgc gctaagaatt cctcccccca aaacctgccc catacactga   1020
acaggcaaga ctactgctaa ggcagtgatc tgggcgccgc aggccttccc gaattcccac   1080
a   1081

          <400> 641
ccccaagcaa ttgggcgaac atcttcccgc ctagcnccaa atcctggctt tcagcaccca   60

```
ggcccagctc agcagagcca gtgtaggctg ctaggagaca aatgcccagg ctggactatg    120
ctctccacag tacctggggc ccccatcctg ctaaacgcta caggggtct gcccagcccc    180
acctcacctg tccccatgct caggcactgc cttccctgtt ttaccccag agtgtacaga    240
gatgccccct actctcctcc cctgctttaa aatccttcaa tcacaattcc acagaggact    300
caccttgcct atgtgtataa aaacaaagcc agggcatgcc cacaagcagg agatgggaac    360
atcacccgca cctggccgaa tggctctgaa gcgaagactc caccaggccc agattgtatg    420
gagtggaagg tgggggtggg ggaggagcag cagagtgcag atttaaactg gctcttacaa    480
tccatctcca gggtttgcac ctgtttcccc atgtagtttt taatagcatc ccgcttcata    540
ctcagaagtg tcccagggtg gacaagacat tgtgtggcac ccttgcaatg gcccgcgctg    600
agcagtggga gtaggggatg gggagggcgg ggggcaggtg ccctctcca ctcaccttcc    660
cagaaggccc cacccacctc cctcagcacc atctccagtg ggtggggcaa catctgtcct    720
ggcctcagat tgcccaagac accatttgct cacggaggcc accatgcccc aatatgtact    780
tcccgtttcg ggaccaccaa gctctgggga ctggaatgca ggcagtggaa gccccagatt    840
gacttaacct gttgacagat cttcagagaa actgctggta ggaggcagct ggggaaggtg    900
gcgatggcca gtgggcaggc aggcctggcc ccagagccac tgtggtacaa agaggaagtc    960
tgacagaaga gcagcctcgg gcaaaacggg ggagccaagg cggccacggg ggagaagtct   1020
ctccaccgtg ccctgtgtct ggtgcctggg agggtggccc agtgtccatc ttgtcccact   1080
gatgctgcca catcccaagg ctcatgtctc agaacgagag ctgctgaagg gctggacgtt   1140
ctgagacttc ttaagatgta agtcatttgg catctgtagc tggtgaattt caggtctcta   1200
ggggagaatc tcagcacccc aaaatccttg gaacaggggc tgagccgtcc agcatcccca   1260
tgtagcatcc agaggggttg aggggctggg cttctgggat gtcacagtat ctgagcccag   1320
agcaggaggg agggaaccag ggccgaggcc aaggaggcca ctcacagagc cagccctggc   1380
tcaaatgcac ctgccccaga cccagccaca acagcccact gtcccccagc tgggctagat   1440
gacctcaaag tttggagagt cagggacagg gtccagggat gggaagaaga cgtctccggg   1500
gcctggagga gacagggggg tgctgggctc cgaaagcaga tgccgcccag actcagaagg   1560
ctgccgctgg gccacatagg acaggggtg cctgactttg gcctcgggta tcccctgggc   1620
aggtggtgag gcttcaaagc cggggttttc aatcccttga atgttgctgt ccatccgcac   1680
cagctcctgg gcacggcggt tggaggctgc ctgcctttgc ttgtagacca ggagcaggat   1740
gaggggagg cagaggattc ctacgatgca ggcacccgta gccagggctg cagccgtgat   1800
gttttcactc tcctgggagg aggatgggta caccacacag ttggatggtg catctttgcc   1860
tgtctgcacc tgcagttcca tggcaccatg gaccctgtgc tccgagtggt ggtgcctgat   1920
ctccaccacc aggcagcagt agaggccgct atccagcagg gtcaggttgc gcatggtgat   1980
ggagaagttg ccatggtggt cggaggccga ctccagcccg tggcgctgag ccaggtcgtg   2040
gctggtgttg gcagcctggt ggcctccatg gtgcaggtga aggtcctgga acgtgaggtt   2100
gcggatgggc cggcgctctg agcaggtctg cacctcgccc ctcgagctgc ggtaccacgt   2160
cttgtagaag gtcacatcgt gccctttgtc cacagggccc aagagcctgc aggtgagggt   2220
gacgttctgc ccctcgggac agacatacag ggaatacggc gtggcgacct tgaaggctgc   2280
caccggacct agggacgcag ccaggaagag agcgaagagc agggatcccc agcgccagct   2340
gccggcctcc agggccgtgg ggacgcccat gtcgccgtcg gacgcgcaga ggaacttctg   2400
gtgccgggga gcgggcggga cgcggccggc gcggggaagc ctcccg           2446
```

399

<400> 642

```
aaaacacaga tganaatgag atgtccttca agtctacagt ggatctgaag ggagggctat      60
tattttctgt gagacgaaga agaatgtaac tgacatggcc atgaatccgc acaaaacaga     120
atgcactgtg tttacatggg gacattgcac agtcacaaag agaaattaca ctaaaaggct     180
tcagagaggt aattataaag ttttggtggc aaccaatgtg gctcctcgtg gtttggacat     240
tcctgtagtt gacctggtga ttcaaagttc tcctcctcag gatattgagt cctatatcca     300
tctctctgga tgcgtgggta aagctggaca gacaggggtt tgtatatgtt tttatcaacc     360
aagagaaagg tcaactaaga catgtggaac aaaaaacaca aattactttt aaatgtgtag     420
gtgttccttc tacaatggat ttagttaaat ttaaaagcat ggatgccata aggtctctgg     480
cttccattta ttatgcagct gttgattttt ttccaaccat cagctcagat actgatagaa     540
gagaaagggg cgatagatgc attggctgca gctttagccc acatttctgg tgtatcaagc     600
tttgaaccat gatctttaat caactctgat aagggggtttg tggccatgac tctggaaagc     660
ctagaggaaa tacaggatgt cagctgtgct tggaaagaac ttagaaagaa gaatagtaat     720
gcagtgtctc agattaccag agtgtgcctc ttgaaagaaa atgaattcca ccacgctgga     780
c                                                                       781
```

<210> 643
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(971)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (15)...(872)

<400> 643

```
gtggtggaat tcgccacccg gaggagccgc tctcccggct cagccgcaag aggaagctcc      60
tggaggacac agagtcaggc aagacacttc tgttggatgc ctaccgtgtg tggcagcagg     120
gccagaaggg tgtggcctat gacctgggcc gtgtggagag gatcatgtcg gagacctaca     180
tgctcatcaa gcaggtggat gaggaggctg cgctggagca ggctgtgaag ttctgccagg     240
tccatcttgg ggctgccgcc cagagacagg cctcggggga cacccccacc actccaaagc     300
accccaaaga cagccgagag aacttctttc ctgtgacagt ggtgcccaca gccctgacc      360
ctgtgccagc tgactctgtc cagcggccca gtgatgctca caccaagcct cgccctgcac     420
tagctgccgc cacaactatt atcacctgcc ctccgtcagc atcagcttcc accctggacc     480
agtccaagga ccctgggcct ccccggccac acaggcctga agctacccccc agcatggcct     540
ctctgggccc agagggagaa gagctggcga gagtggcaga gggcaccagc ttcccgcctc     600
```

```
aggagccacg gcacagtccg caggtgaaga tggcccccac aagttccccg gcagagccac     660
actgctggcc ggcagaggct gccctgggca caggcgctga gcccacctgc agccaggagg     720
ggaaactgag gcctgagccg agaagggatg gggaggctca ccacctcnnc catcacacgc     780
actgcttgcg ccattggtgc caccctcga gccaaggcca acgcaaagta ctagaggtcc     840
agtaccaatg agtgacccca cctgtgtccg cgatgctcac ctctaatgtt cctccaccga     900
cagtccctct aaggcgctct attcattcca gagccacttg ggccctgct tgcctacctt      960
gagcctgccg                                                            970
```

```
        <210> 644
        <211> 616
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (16)...(616)
        <223> similar to gi2065210 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 644
gcgtgtggcg gaattctcca ctgctcctat acatactgcg ccacctagaa gctgctagac      60
tgatggaatg ttggtatggt ctgctttagt gccaggtggg agacaatacc ctgccaagat     120
gtgccaccgt ctcctgcaca cagtatactt attgaatcag aaagcctgta tgatgctgtg     180
tctacaacag gaatatatag atttcagaac caaggagtgg aggcaggagt gaccccactt     240
accatcgcac ccaacgaacc actgagggac ttagtacttc ccatgcccac aactccaggt     300
tctacagcat cagaagtcct agttctcaga gactgtatac cttctctagg caatattgca     360
agaatcccat tgaactacag tctgctgcta ctatgtgggc actttggact ctgtgttcag     420
ggaccagtag gcaagaagtc accatctagt caagggtaat tgaccctgaa ctgcaggagg     480
aggcaagcct gctgtcagag gatagtggcg agagcaatgt gtgtggaact tagcggaccc     540
actggaggca ccctctgtac tccttgccca gttgtaactg aatggactag tgcagcaacc     600
ctggtctgag aagggt                                                     616
```

```
        <210> 645
        <211> 673
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (70)...(415)
        <223> similar to gi790862 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

<400> 645

```
taccgtgcgg tggaattccc ggaactacac tcatggaggg acagcagtca gacccctccc    60
ccatgtctta tccgtagact tgaccacatc gtgatgacgg tgaagagcat caaagacacc   120
accatgtttt attccaagat cctgggcatg gaggtcatga cttttaagga agaccggaaa   180
gcactgtgtt ttggagacca gaaatttaac ctccacgagg tgggaaagga atttgaaccc   240
aaagccgctc acccagttcc tggctccctg gacatatgtc tgatcacaga ggtgcctttg   300
gaggaaatga tccagcacct caaggcttgt gatgtcccta ttgaggaggg gccagtcccc   360
agaacagggg caaaagggcc tatcatgtcc atctacttcc gagaccccga cagaaatctg   420
attgaggtgt ccaactacat ctcctcgtga tggaggctgg acctcctcca ttctgtcccc   480
cttgatgtcg ccctctcctt tccttcctgc aaacccccac ccaggcccag agatctccaa   540
agactgagga cttaggcact tcacacatcc tgctgagggg ggacccaaga caggtttggg   600
accaaaccta catgtctgta tgtcatcaaa gttggcctaa taaatgcata acctctcaat   660
gaaaaaaaaa aaa                                                       673
```

<210> 646
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(601)
<223> similar to gi1212744 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 646

```
cagcagcggc tcaggacaaa gggcaggtgg ggccaggggc tgggcccctg gaactggagg    60
gagtgaaggt ccccttggag ccaggcccga aggcaacaga gggcggtgga gaggccctgc   120
ccagcgggtc tgagtgtgag gtgccactca tgggcttccc agggcctggc ctccagtcac   180
ccctccacgc aaagccctac atctaagcca gagagagaca gggcagctgg ggccgggctc   240
tcagccagtg agatggccag cccccctcctg ctgccacacc acgtaagttc tcagtcccaa   300
cctcggggat gtgtgcagac agggctgtgt gaccacagct gggccctgtt ccctctggac   360
ctcggtctcc tcatctgtga gatgctgtgg cccagctgac gagccctaac gtccccagaa   420
ccgagtgcct atgaggacag tgtccgccct gccctccgca acgtgcagtc cctgggcacg   480
gcgggccctg ccatgtgctg gtaacgcatg cctgggccct gctgggctct cccactccag   540
gcggaccctg ggggccagtg aaggaagctc ccggaaagag cagagggaga gcgggtaggc   600
ggctgtgtga ctctagtctt ggccccagga agcgaaggaa caaaagaaac tggaaaggaa   660
gatgctttat gaacatgttt tgctttttta acatatatat atatttataa gagatccttt   720
cccatttatt ctgggaagat gtttttcaaa ctcagagaca aggactttgg tttttgtaag   780
acaaacgatg atatgaaggc cttttgtaag aaaaaataaa agatgaagtg tgtttcttgg   840
gctcagccca tgggtagaag ggctgggtgg agggagatga agaaggagtg gccctcgctc   900
tggggaacaa gggcccctca acaaccctg ggcttgggca gccctcccag gtgtcctgac   960
ctgggtgcca tccaccctat gcttgaatga ggtgaggctg gcccaggtg ggagcagggc   1020
tgcctctggc ctcggacaag gacgggtcag ggagcctcac cttccccagg ccctgtcttc   1080
tgccagcagg ggctctggcc catgtgcggc tgggagaggc                         1120
```

<210> 647
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (51)...(584)
<223> similar to gi3044086 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 647
```
agcggccgcc agcgccagct ggtagtaccc ggctgcatca aacgggtcct tcaggtcgta      60
gaagatgatg tcaccgagca ccaggtacac cttcacgtag tagaggggtc tcctcgtcaa     120
actccagcgg cgagttgcag agcgacaggg ccttgaggta gaagtgctct gccagctcgc     180
catggcccag tccggtgttg cagggcggcc agccgggtgg taggccacgc gctcgttcag     240
ccggtccccc agggtgatgc tgagtgctag ggccatgtgg gcaaactcca agccctcctg     300
gggctcctcc cagcgtggcc aagcagtgcc accagcttgt tgcacagccg cagctccgcc     360
ttgcgtatgc ccgtagtcac tgccaagggc atgggcccgg tcccggtaga aggacacagc     420
tttctcccgc tcccaggccc cgtcgaagaa gatgtctcca gccgcctcaa acagctccag     480
ccccaggttg gggtcgcctg tgtacagggc cacgttctgt gccacctgga tgtagaggtc     540
caccatgctc ntctgccgca agatgtaata gatcttccct gctt                     584
```

<210> 648
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)...(794)
<223> similar to gi4589654 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 648
```
tattgcaaga gaacactcag atcgagccaa gtgaacccaa aaaccaagaa gaaaagaaac      60
tgtcccaggt gctaaatgag ttgcaagtat cacacgcaga gaccacattg gaactagaaa     120
agaccaggga catgcttatt ctgcagcgca aaatcaacgt gtgttatcag gtgcaaggaa     180
agatggtaca ggaaggggat ggataacagg aacgtgggaa ccactcacag gactgggaat     240
gaagcaagac ctaagtttcc agggctgata ccaggaggaa ctggaggcaa tgatgacaaa     300
agctgacaat gataatagag atcacaaaga aaagctggag aggttgactc gactactaga     360
cctcaagaat aaccgtatca agcagctgga aggtatttta agaagccatg accttccaac     420
```

```
atctgctcaa agatgttgct tatggcaccc gaccgttgtc gttatgtttg gaaacactgc    480
cagcccatgg agatgaggat aaagtggata tttctctgct gcatcagggt gagaatcttt    540
ttgaactgca catccaccag gccttcctga catctgccgc cctagctcag gctggagata    600
cccaacctac cactttctgc acctattcct tctatgactt tgaaacccac tgtaccccat    660
tatctgtggg gccacagccc ctctatgact tcacctccca gtatgtgatg gagacagatt    720
cgcttttctt acactacctt caagaggctt cagcccggct tgacatacac caggccatgg    780
ccagtgaaca c                                                        791
```


        <210> 649
        <211> 443
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (444)...(61)
        <223> similar to gi2078483 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 649
```
cggaattccc gggtcgagcc ccacttctga ggtagagcta ttgggccccc tgtgctccag     60
ggaggagttg ctgctgtagt tcatctccag gctgcaggtg gacacctgat cccccgaggg    120
agaggcaggg cccggccaag gctcgccccg cccagcacca tgactgtgca ccgccgggag    180
ctcctcggga ggcggggagc cctcgaagca cagggcaggt ccccggcccg agctgcccga    240
gcccccgcc tcactggcac gacaggggct ccggctgcgg tagatgaagg ggtcatagtc    300
gctgctgagg gagctgcgga aggtggagca gctcccgtac acgccctggt tgctgacctc    360
agtgcagtct accacagagt cactggagga acagtggcac tggccggagc tgctgctgct    420
gctgctgtcg ctgcctgggc agc                                           443
```


        <210> 650
        <211> 710
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (36)...(713)
        <223> similar to gi2078483 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 650
```
ggctgtgctt agcgaccgca ctcctaggaa cctccacgcc ttcctcatct ccgtccgtgg     60
cagcttcgcg gagagcggcg ccaccaagaa cctcctggac tccatggcgc gcaatgtcgt    120
```

```
gctggatgcc ctgcagctgc ccaagtcctg gctgaacggc tcttccctcc tgcagcacat      180
gaaattcaac aacccgttct acttcagttt cagccgctgt accctgtcag gcggccatct      240
gatccagcag gtcatcatcg gcgggaagga cctgcggagc ctggccagct tgaacctcag      300
cggctgcgtc cactgcctgt ccccagactc gctgctccgc aaggcggagg acgacatcgt      360
cagcagcatc ctggagacgc tggtggcgtc ctgctgcaac ctgcgccacc tgaacctctc      420
ggccgcccac caccacagct cggagggcct gggccgccac ctctgccagc tcctggcccg      480
gctgcgtcac ctgcgctccc tctccctgcc tgtctgctct gtcgctgact ccgcgccgcg      540
cgccgaccgc gcgcccgccc agccggccat gcacgcagtg ccgcgcggct ttggcaagaa      600
agtgcgtgtg ggcgtgcagt cctgtcccag ccccttctcg ggccaggcgt gcccccagcc      660
ctcctccgtg ttctggtctc tgctgaagaa cctgcccttc ctggaacacc               710
```

```
<400> 651
cgttccggaa ttcccgggtc gagtctagtt attttttacg caagaccagc gtgcttgtgc       60
acggcagtgt ttttctctgg tgtctgtgtg tttggtggta acagcagcga gtcagatgag      120
acaggtgtgg gaggccactt gtttgtggag aagactcaga tcagtgcgcg ccgacttcct      180
tgtcagcaca gaaccaagct tgaaacatgc acttttaaat caataccaga aaagaacaac      240
gaaaatagtg gcttgctttg ttggcccttc ctttgtactg ggctctgtgc agggcatgtc      300
acctgagctg tcactgtgtt tagtaccagc cccccccctta ataggtgtgg acgtcttcct      360
gaacagcctg aagcagacgg tggtgaccct ggcaagcagc gcagacgtgc tgagcaccgt      420
gcagtcggcc tcccaggcca tgctgcagag cggctggtcc atgctgttgc ccaccgctga      480
gaagcaggcc cgggcactct gctctcctgt cctgcggagt ttcaggcaat gaagtgaaca      540
taagtccagg tcatcgattg gtgattgatc ttctggtggg cagcttgatg gctgctggag      600
ggttggagtc agccttacac gcagccatta ctgcagagat ccaggataca aaaaaagaag      660
cacggaagga aaaagaaatt tatgaacagg aagcaaatgc ctcaacattt catagaagga      720
ggactccatt ggataaaggc cttattaata cggggatctg tgagtcttct ggcaaacagt      780
gtttgcctct ggttcagctc atacaacagc ttcttaggta aatcatatta gctgtattgt      840
attgggtttt atttatttac ttttttgttt tttgagacag agtttcgctc ttgttgccca      900
ggccggagtg cagtggtgcg atcttgactc actgcaacct ccgcctccca ggttcaagta      960
attcctctgc ctcagcctct cgagcagctg ggattacagg catgcgccac catgccccac     1020
taattt                                                                 1026
```

<220>
<221> misc_feature
<222> (1)...(1754)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(1753)
<223> similar to gi3822553 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 652
```
gggatcgggc cccgcggacg ctacgccgcg acgaatagga gggccgctgc ggtgagcctt     60
gaagcctagg gcgcgggccc gggtggagcc gccgcaggtg cagatcttgg tggtagtagc    120
aaatattcaa acgagaactt tgaaggccga agtggagaag ggttccatgt gaacagcagt    180
tgaacatggg tcagtcggtc ctgagagatg gacgagacgc cgggatccga ggtgccgggt    240
gacaaggccg ccgaggaaca gggagatgac caggatagtg aaaagtcaaa accagcaggc    300
tcagatggtg agcggcgggg ggtaaagaga cagcgggatg agaaggatga acatggccga    360
gcttactatg aattccgaga ggaggcttac cacagccgct caaagtctcc actgcctcct    420
gaagaagagg caaaagatga ggaggaggat caaactcttg tgaacctgga cacgtatacc    480
tcggatctgc attttcaagt gagcaaagac cgctatggag ggcagccact tttctcagag    540
aagttcccca ccctttggtc tggggcaagg agtacttacg gagtgacaaa gggaaaagtc    600
tgctttgagg caaaggtaac ccagaatctc ccaatgaaag aaggctgcac agaggtctct    660
ctccttcgag ttgggtggtc tgttgatttt tcccgtccac agcttggtga agatgaattc    720
tcttacggtt tcgatggacg aggactcaag gcagaaaatg gacaatttga ggaatttggc    780
cagacttttg gggagaatga tgttattggc tgctttgcta attttgagac tgaagaagta    840
gaactttcct tctccaagaa tggagaagac ctaggtgtgg cattctggat cagcaaggat    900
tccctggcag accgggccct tctaccccat gtcctctgca aaaattgtgt tgtagaatta    960
aacttcggtc agaaggagga gcccttcttc ccaccaccag aagagtttgt gttcattcat   1020
gctgtgcctg ttgaggagcg tgtacgcact gcagtccctc ccaagaccat agaggaatgt   1080
gaggtgattc tgatggtggg actacccgga tctggaaaga cccagtgggc actgaaatat   1140
gcaaaagaaa accctgagaa aagatacaat gtcctgggag ctgagactgt gctcaatcaa   1200
atgaggatga agggtctcga ggagccagag atggacccca aaagccgaga cctttttagtt   1260
cagcaagcct cccagtgcct tagtaagctg gtccagattg cttcccggac aaagaggaac   1320
tttattcttg atcagtgtaa tgtgtacaat tctggccaac ggcggaagct attgctgttc   1380
aagaccttct ctcggaaagt ggtggtggtt gtccctaatg aggaagattg gaagaagagg   1440
ctggagttga ggaaggaagt agagggagat gatgtgcctg aatctataat gctggagatg   1500
aaagccaact tctctttgcc tgaaaaatgc gactatatgg atgaggtgac atatggggag   1560
ctggagaagg aggaagctca gcccattgtc actaagtaca aggaggaggc aaggaagctt   1620
ctgccccct ccgagaagcg gacaaatcgc cgaaacaacc gaaacaagcg taaccggcag   1680
aaccgaagcc ggggccaagg ctatgtgggc gggcagcgcc gaggccacga caccctttt   1740
tanaaaaaaa aaa                                                      1753
```


<210> 653
<211> 1500
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (31)...(1453)
<223> similar to gi1263287 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 653
gtaattccca gctcgaggag agcctctagg ggcccttgga ggggaaaagg ccctaggagg   60
cctggcaaag ggacagctgg agaaggagat gtcagtactg agactgagca acagtaactt   120
gctggaggag ttaggggagt tggggcggga gcggcagagg ttgcagaggg agctacagtc   180
cctgagccag cggctgcagc gggagtttgt gcccaagcca gaggcgcagg tccagctaca   240
gcagttgcga cagagtgtgg ggctgctgac aaatgaactg gccatggaga aggaggccac   300
agagaagctg cggaagctcc tggcctccca gagcagcggt ctccgagggc tgtgggactg   360
cctgcccgca gacctagtgg gcgagaggag tgcacaaagc aaagcagcgg agtccctgga   420
ggagctgcgg gcctgcatca gcaccctggt ggatcggcac cgggaggccc agcaggtgct   480
ggctcggctg caagaagaaa accagcagtt gcgggggtcc ttgtccccgt gtagggagcc   540
aggcacctcc ttaaaggccc cagcatcccc ccaagtggcc gctctggagc aagacctggg   600
gaagctggag gaagagctgc gggcagttca ggccacgatg agcgggaaga gccaggagat   660
cggaaagctg aagcagctgc tctaccaagc cacagaggaa gtggctgagc taagggcccg   720
ggaggcagcc agcctacggc aacacgagaa aactcggggt tcgctggtgg cccaggctca   780
ggcttggggc caggagctaa aggctctgct ggaaaagtat aatacggcct gccgggaagt   840
gggtcggctg cgggaggcgg tggccgagga gcgccgccgg agcggggacc tggccgctca   900
ggcagccgaa caagagcgcc aggccagcga gatgcggggg cgctccgagc agtttgagaa   960
aacggcagag ctgctgaaag agaagatgga gcatctcatt ggggcttgcc gagacaagga 1020
agccaagatc aaggagttgt tgaagaagct ggagcagctt tcagaagagg ttctagcaat 1080
tcggggagaa aatgctcgcc ttgccctgca gctgcaggat tcccagaaga accatgaaga 1140
gatcatctcc acctacagga atcatctact gaatgctgct cggggttaca tggaacatga 1200
agtgtacaat atcctgctgc aaatccttag catggaagag gagtgaggca gcctcactgt 1260
gtgccctcag ggatacgaga ttctctgttg gaataagaaa ccctggttga cagaggcttc 1320
atcaggctgt ggtgggcggg ggtgttggcc actaggcaat ggtatgggca gggcttcacc 1380
tgacattatg gacctcagac ctgagaacct ggaccctgga atcagcatgg atgagaccag 1440
aggaggtatg gatggaaaca agctctatgg aaaataaagc atgaggcagg aaaaaaaaaa 1500

<210> 654
<211> 1729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(1729)
<223> similar to gi3450883 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 654
tctactctag cgtggtggaa ttcctcggcc tcgcggcgac ggcggcggtg gcggcttgga   60
cgactcggag agccgagtga agacatttcc acctggacac ctgaccatgt gcctgccctg   120
agcagcgagg cccaccaggc atctctgttg tgggcagcag ggccaggtcc tggtctgtgg   180

407

```
accctcggca gttggcaggc tccctctgca gtggggtctg ggcctcggcc ccaccatgtc    240
gagcctcggc ggtggctccc aggatgccgg cggcagtagc agcagcagca ccaatggcag    300
cggtggcagt ggcagcagtg gcccaaaggc aggagcagca gacaagagtg cagtggtggc    360
tgccgccgca ccagcctcag tggcagatga cacaccaccc cccgagcgtc ggaacaagag    420
cggtatcatc agtgagcccc tcaacaagag cctgcgccgc tcccgcccgc tctcccacta    480
ctcttctttt ggcagcagtg gtggtagtgg cggtggcagc atgatgggcg gagagtctgc    540
tgacaaggcc actgcggctg cagccgctgc ctccctgttg gccaatgggc atgacctggc    600
ggcggccatg gcggtggaca aaagcaaccc tacctcaaag cacaaaagtg gtgctgtggc    660
cagcctgctg agcaaggcag agcgggccac ggagctggca gccgagggac agctgacgct    720
gcagcagttt gcgcagtcca cagagatgct gaagcgcgtg gtgcaggagc atctcccgct    780
gatgagcgag gcgggtgctg gcctgcctga catggaggct gtggcaggtg ccgaagccct    840
caatggccag tccgacttcc cctacctggg cgctttcccc atcaacccag gcctcttcat    900
tatgaccccg gcaggtgtgt tcctggccga gagcgcgctg cacatggcgg gcctggctga    960
gtaccccatg cagggagagc tggcctctgc catcagctcc ggcaagaaga agcggaaacg   1020
ctgcggcatg tgcgcgccct gccggcggcg catcaactgc gagcagtgca gcagttgtag   1080
gaatcgaaag actggccatc agatttgcaa attcagaaaa tgtgaggaac tcaaaaagaa   1140
gccttccgct gctctggaga aggtgatgct tccgacggga gccgccttcc ggtggtttca   1200
gtgacggcgg cggaacccaa agctgccctc tccgtgcaat gtcactgctc gtgtggtctc   1260
cagcaaggga ttcgggcgaa gacaaacgga tgcacccgtc tttagaacca aaaatattct   1320
ctcacagatt tcattcctgg ttttatatat atattttttg ttgtcgtttt aacatctcca   1380
cgtccctagc ataaatattc tctcacagat ttcattcctg tttttatata tatatttttt   1440
gttgtcgttt taacatctcc cacgtcccct agcataaaaa gaaaaagaaa aaaatttaaa   1500
ctgctttttc ggaagaacaa caacaaaaaa gagtgcatag tttgccctgg agaatccact   1560
cacgttcata aagagaatgt tgatggcgcc gtgtagaagc cgctctgtat ccatccacgc   1620
gtgcagagct gccagcaggg agctcacaga aggggaggga gcacccaggc cagctgagct   1680
gcacccacag tcccgagact gggatccccc accccaacag tgattttgg              1729
```

<210> 655
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (273)...(883)
<223> similar to gi164036 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 655
```
cggaccggaa ttcccgaccc gacccacgcg ttcgttagga gcaagtaggg gcaggggggca    60
gatggacccg gacagcctca gagtcggccc cacaaccttc ctcactaata ggtcgcctca   120
gtgctctaaa ccgcagctcc cacacagagc ctaaaccagc caaacacagt cacctgcccc   180
tccagactcc ctggtgctga cttggaacct ggatagaggg aaacttttcc tcccctctca   240
taagctgggc tggaggccct gaccattcct ctaccacag tgggtgaggc tggaggaccc    300
ccacgggaag ccatacttct acaatccaga ggactcctct gttcgatggg agctgcccca   360
ggtccctgtc cctgcccctc gaagcatcca taaatccagc caggatggtg acaccccagc   420
ccaggccagc cctccagagg agaaggtccc agcagagctg gatgaggttg ggagctggga   480
ggaagtctct cctgccacag ctgctgtgag gaccaagacc ttggacaagg caggggtgct   540
ccatcgcacc aagacggcag acaagggaaa gcggctccgg aagaagcact ggagtgcctc   600
ctggactgtg ctggagggtg gcgtcctgac attcttcaag gactcaaaga cctcggctgc   660
```

```
aggcggcctg aggcagcctt ccaagttttc caccctgag  tacacagtgg agctgagggg    720
ggccactctc tcctgggccc ccaaagacaa atccagtacg aagaatgtgc tggagctacg    780
gagccgacaa ggctctgagt acctgatcca gcacgactcg gaggccatca tcagcacctg    840
gcataaggcc attgctcaag gcatccacga gctgtccgca gagctgcccc cacaggagag    900
cgagagcagc cgagtggact tcgggtcgag cgagcgcttg ggaagctggc cggagaaaga    960
ggaggacgcg cgaccgaatg cag                                            983
```

<210> 656
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(380)
<223> similar to gi2072972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 656
tgatctttgg gtcagcaatg aaatcaagat ggaaattaaa gaattatttg aactgaatga    60
taatagtgac agaacttatc aaaacatctg gcatatagca aaagtggttc taagaggaaa    120
gttcatagca ttaaatgcct atatcaaaaa gtctgaaaaa gcacaaatag ccaatctaag    180
gtcacacgtc aagtaactag agaaataaga gcaaaccaaa cccaaaccca gcagagggaa    240
aaaaaattac aaggatcaga gcagaactaa atgaaattgc aatacaaaaa tgtataaaat    300
ataaatgaaa caaaaagcta gttctttcaa aaaaaatgat agactgttag tgagataaac    360
caaaaaaaga agggagaa                                                  378
```

<210> 657
<211> 842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(845)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 657
cccaggccgc agcctgggat tccccaggga cccccccgga gccgccgcgt ctcccatgga    60
cttgcccggg gactccaggt gagagcgtac ccgggcggcc cgcctgtctt gaccccggga   120
gatggggatc ctggcgaccg tgccgggaaa ctacagagcc agcgacaggt tcgggcgacc   180
gtcctctgct tctttcaccc tccagcccgc ctggccagcc gcgtctgtgc cgccagcctc   240
```

```
<210> 658
<211> 1623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1324)...(271)
<223> similar to gi607003 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 658
tttttttttt ttaatgaaat aaatgcccat gtttattaca agatagaaac attaaagatt     60
tcttaggcaa aagggcaaca ggtatgaaag tattcacagg gcgccaaatt tacaacagct    120
tgctccaggc gatttacgtg aatcctggcc tgtcccagca tgaggccatt gacaacctgg    180
cgcctctgcc aagcctgtgt ccaggtgcct ggcatgacca ggcgtgatgc ccaccaccac    240
agtccctgct gcatctcaga ggccggggac ctcccacaca aggatctcgt tgcgggcggc    300
cgtgaagagc agcctggcgg acggtgtaaa cctgcacagg tgcactgcgt tgtcgtggcc    360
ggcaaagtct tgggcagtcc ccatggcaca gtctaccagc ctcagcatgc actcagcaaa    420
gccaacagcc aggaggtggg tcccggggga caggctcagg gacatggcaa aaaagggcag    480
tggtatcttc tccaccacct gcttctggca gaggttgtag atgatcacct ccttgtaaac    540
accggggccc acgtacatca ggagcgcccc atcccaaggg cagaaggcag cgaggaggg     600
tggcaggtgg ccctgagtct ccgtggtggc aggcattggg aaactcaacc agtccacaag    660
ctcacagtgg ttccgcagcc agtcggaggc ccagacgctg acccgctggt ccccactggc    720
agccagccat aggtctgtgc cctccacccc taagtcttca cactctttgc acgtgacaca    780
gatggtagag attggggcgc cctggtggtc actcagcaca cggaaggttg tccctgtgca    840
ggggtggctc acagccacga gcccatcctt gtctccagag aggacagtct gaccatcggt    900
ggagaaggca acagtggtca gcgccaccgg gtgggggtgc atcttgagct ccatggccgt    960
gcgggagacg ctgaagatgc gcagggagcc gtcaccgtag ccagccgcta gccgctgctg   1020
ctcagggtgg ccacagcacg gggggctcca tgccaggcag aggcagctct ggttcagcac   1080
ctggaactgg atcacaagct ccatgctggc caaggcccac acccgcacac tcccatcctc   1140
actgcatgtg gcgcagtggg actccccggg gctgaagacc acctcgttca ccttgctcct   1200
gtggccactg atgagacgtg tgctggtgcc ctcggcccag ctgacaaacc acagcgtgcc   1260
cgccgtggtg cccacgacgc ccatgtccac gctgtcatcg aagctggcac tcaccacagc   1320
cccgtccagc accagctcgt gttccatgaa cacagaactg gacctcaggg tgcagggaag   1380
gagagaacaa tgggtctcaa ggccgatgac aagagccagc tgggtcccca gccgaggcag   1440
ggccctcagc attgcatctc aggacctggc tgtgccctcc cggtggaaga agagaaagcc   1500
catggagctg gggcttctgg gcccatgccc gtactcgaca gcagccagtg aggcccaggc   1560
```

410

```
cacacccaag cctgtccctt ggaggggcta gcaggcggcc ggtctgcagg gcggccttgc    1620
ggg                                                                  1623
```

```
<210> 659
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1236)...(180)
<223> similar to gi2906006 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 659
tttttttttt ttgagtaatg ccgactttat atcagcacac ccagtgcccc cacgttcccg      60
ctggcccagg tcccggagac catgatggca cccacagtgg acttcgcaaa ggagcgtggg     120
gaccccgaag gccaggccac ccctcagatg ggggtcccat gctaaagcag acggtgccgg     180
tgccgcaggc tgtctgagac ccacggtgga gcccgggcct ggcgtgcggg aggcggccac     240
gacggcgcct ttctcccagg aactccggga gggaccccag gactcagcgc caggacgccc     300
ttggcaggtg cagtgaggca gtgacttgtg ggggttagat gtgggcctgc cccacgtggg     360
caggatcag ccaggcatgg gggtccagcg gatccgagcg gggccacaga gctctggagg     420
acttttctgc acaatgaatt tctgcttaaa aacagagatc aagaggaagc tctatcctgc     480
agctccggaa atgggtggct gcgtgcttgg ggtctccgcc acgcgggagg acagcccaga     540
ggcaccctgg tctcaggcag ctggttccta ggctgtgtcc tccccactgg ccgggcaccg     600
gctggaacgg cacgaggacc agcctcactg ttctcagagg ggtctcgggc cactgggtgt     660
ggtggtgctg gaggagtcct gcccgctgtg ggctctggag ggcacggcag cagagcccct     720
ggcttttcta ggcagagcgg cacctgcccc atagatcgtg ccagctttgg ctgcaggcgc     780
tggggcctca ccgtgtttcc tggggggggcc cggaccccca agggcctcga tctgaagctc     840
tgaggtctca tggatgcctg ctcctggtcc gataaacgag atggctgtgg tggggaggag     900
cctcaggcgg cccgggaccc tttggcgtcc gtcgctggga ggcggaggga cccagagccg     960
aggctgtgct caggactgtc ccgggcgccg ggcgatgcca cactttgtg ctggttcccg    1020
ccaagggtc ggcctccggg tccctgccgc caagtgcgtg gcgtggtctc ggcctccagg    1080
tcagacattg ctgatacggg cctcccccgg gaaggcagcg ggatccgtgg ccctgtccag    1140
gggccgctcc cgcctgacgt agcgcggctt ccgtacgggc tgactcttgg gtccgcctga    1200
cccagcacca ctgaagcgat ggctgctcag gagggcctgg cggaggccgg ctgcgtctgt    1260
cctcggg                                                             1267
```

```
<210> 660
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(501)
```

<223> similar to gi4218005 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 660
aataaaggag aaaagaaagg aagaagaaaa gtgggaggtg aaagaagaaa agaggaagaa   60
gaaagaagga gaatagaaga agaggaagaa gaaagaaaag aaagaagagg aaagaaggaa   120
gaagaatgga aagaaaggaa gaagattgaa cgaggaagaa agaagaaaaa agaaacattc   180
ttagaagagg aagaaagaaa agaaaaaaga aaaagagaag aaagagggaa gaaagaaaag   240
aggaagaaga aagatgaacg aagaagaaag aggaagaaga aaaaagagga aagaagaaaa   300
gaataaggaa gaagaaaaaa aaggaagaag aaagcagaag aaaagaaaga aagagggaa   360
gaggaagaag aacgaagaaa agaggaaaga aggaggagga gaagaacaag gagaagaaga   420
aagaagaagg gagaaggaga agaaaagaag gagaagagga aaaggaagaa ggagaaagaa   480
aaggagaagg aagagaaaaa   500

<210> 661
<211> 1590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1591)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (148)...(1590)
<223> similar to gi557822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 661
taaatctctt ctagtgttag caaagtattt agcacaggaa agatcttata aaatgaaata   60
atgcatgtaa tgatgcattt tccaagtaga tgattttaac aaactgtaag cttttatgcc   120
tggccttcat tgtgtctttt ctgcctctgt caggcgaact gtgatgaaga gccttatact   180
taggaagaca caactacctt tgaacagtcc tttgtgaaat ctaatgatcg caacgaacga   240
aataaaccag aacatcgttc ttcaagccaa ggacccttgt catccattag agcggtaatc   300
aagagatctt ctcggacttc tattcagagt gaacttcatc gagatagaag gcgcccagag   360
atcaccattg tggcagctga gccactgagg ccagcctcgt ggtttccagg aaccccaccc   420
ccaggactgg gatttcctac atcatctgca gcaggctctt ggaggcctaa tgagctggtt   480
cctgctgagc tcccaccatc ttatgaacaa gttataaaag aaatcaacca agttcaagtt   540
aatactacaa ataataataa tgctgctgct actccaaggc acactattac ttctgcaact   600
cagactgact tttcagaaga aatagacaac gatctgcctc aaacactaca ggcacctctc   660
aagcctcttc agcctttctc agcagtctcg tctggcaatc ttccaacaaa tgtggcacct   720
ttaatcgtct ttgatatttc tgaagaaccg aattgtccag aaaaccccag tgctacaaga   780
tgtccagtgc caaaaccaag atcaaaaagc aacctcagac caatacccag agattctcac   840
attaaagagc aaagtcaaca gaaaatcagc ccagcagccg tacgagagga gtcatcccca   900
ggccggcccc agtctctgct ggacaacgct agcacctcag acagtcaggc agtgatgaac   960

```
attatgaaca cagaacaaag ccaaaatagt attggttcca gaattaaagt gtttgagggt    1020
cagacaaaca tagaaacctc aggactgccc aagaaaccag aaattactcc acgttcactt    1080
cctccaaagc ctactgtttc ctcagggaaa ccttctgtag ctcccaaacc agctgctaac    1140
agagcttctg gagagtggga ctctgggact gagaacagac tcaaggtgac ctccaaggaa    1200
ggactcaccc cataccctcc cctgcaagaa gcgggaagca tcccagtaac caaacctgaa    1260
ttgccaaaga aaccaaaccc tggccttata cgaagtgtta atcctgagat tccgggaaga    1320
gggcccctgg ctgagagctc tgatagtggg aagaaagtgc caactcctgc cccgcggcct    1380
ttgctgctga agaaatctgt ttcctcagaa aaccccacct tacccttcag ctccacctga    1440
aacctgtcac tgttcctccc cgactcgcag gggcaatcac aagccaaagc atacaagtca    1500
ctgggagaan ggggcccca gccaacccc cagttccagt taatatagtt attgcacaag    1560
ttcaataaaa atctgctctt tgtatgacaa                                     1590
```

<210> 662
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(661)
<223> similar to gi3980032 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 662
```
aacatttgca gtataaggta ttgcaggaaa gagagaatta tcaacagtct tctcaatcaa     60
gcaaagcaaa atcagcagta ccttcctttg gtataaatga taaatttaca ctaaataaag    120
atgatgccag ttacagcctt atcttagagg tacagactgc aatagataat gtcttaatac    180
agagtgatgt tccaatagat ttacttgatg tggataaaaa ttctgctgtt gttagcttta    240
gcagctgtga ttctgagtca aacgacaact tccttcttgc cacttatcgg tgccaggcag    300
atactacaag gctggaactc aagattcgct caattgaagg ccagtatggc acactacaag    360
catatgtgac tccaagaatt caacccaaaa cctgtcaggt ccgccagtac cacatcaaac    420
ctctttcact ccatcaaaga actcactta ttgatcatga cagacccatg aatacactga    480
ccctaacagg ccagttcagt tttgctgaag ttcactcctg ggtggttttt tgtctgcctg    540
aagttccaga aaaacctcca gcaggagaat tgtgtgacat tttactttca gaacaccttt    600
ctagattaca caacttgaaa gtacctacag aaaaggagag ggagttttta aatctgaca     659
```

<210> 663
<211> 1071
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(894)
<223> similar to gi1835264 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

413

```
<400> 663
gggatacggg gggcagtggc cttgggcaca aacagcctga agcagcagga acctggactt      60
atgggggatc ccggggcccg agtctactcc tctcactcca tgggggcccg ggtggacctg     120
gagcctgtct caccaaggag ctgcctcacc aaagtggagc tggccaagag ccggctggca     180
ggggccctgt gcccccaggt accccgtacg cctgccaaag tgccaacctc agccccaagc     240
ctgggcaagc ccaataagag ccctcacagc agccccacca agctcccttc caagtcacca     300
accaaggtgg tgcctcgacc tggggctccg ctagtcacca aggagtcccc caagcctgac     360
aaagggaagg ccctccctg ggcagactgt ggtagtacca cggcccagtc cacacccta     420
gtacctggcc ccactgaccc aagtcagggc cctgaggggc tggccccaca ctcagccatc     480
gaggagaagg tgatgaaggg cattgaggag aacgtgctgc ggctccaggg ccaggagcga     540
gccctggcg ccgaggtcaa gcaccgcaac accagcagca tcgccagctg gttcggcctt     600
aagaagagca agctgccagc gctgaaccgc cgcacagagg ccaccaagaa caaggagggg     660
gctggcgggg gctccccgct ccggagggaa gtcaagatgg aagcccggaa gctggaggcc     720
gagagcctca acatctccaa gctgatggcc aaggcggaag acctgcgtcg ggcactggaa     780
gaggagaagg cctacctaag cagccgggcc cggccacggc ctggtggccc agccccaggg     840
cccaacacgg ggctgggggca ggtgcagggc cagctggctg gcatgtacca aggtgcagac     900
accttcatgc agcagctgct aaacagggtg gatggcaagg agctgccatc caagagctgg     960
cgggagccca gcctgagta cggggatttc cagccggtgt cttctgaccc caagagcccc    1020
tggccagcct gtgggccccg gaatggcctg gtgggccctc ttcatggctg c           1071
```

```
<210> 664
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(759)
<223> similar to gi2072951 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 664
ccacgcgtcc gagatgaggt agttggcaac acaataatag tgggggatgt taatactccg      60
ctggcagcac taggcagatc accaagacag aaagtcaaca aagaaacaat ggacttaaac     120
tataccctag aacaaatgga cttaacagat acttacagaa cattctaccc aacaagcata     180
gaatatacat tgtatacatc agaacacggg acattctcca aaatagacca tatgataggg     240
cacaaaacaa gtctcagtaa atttaagaaa atcagaatta tatcaagtac tctctcagac     300
cacagtggaa taaaattgga aattaattcc aaaaggaaca ctcaaaagca tgcaaataca     360
tggtaattaa ataacctact cctgaatgat tgttgggtca acaatgatat caagagggaa     420
atttaaaaat tctttgaact gaacgataat agtgacacaa cctatcaaaa actctgggat     480
acagcaaaag tggagctaag aagaaaattc atagcattaa atgcctatat caaaaagtct     540
gaaagagcac aaataaacaa tctaaggtca cacctcacag aattggagaa actagaacag     600
tccaaatcca aacccagcag aagaaagaa ataacaaaat cagaacaaaa ctaaatgaaa     660
ttgaaacaaa aaaatacaac agataaatga aacaaaaagc tggttctttg aaaagataaa     720
taaaattgat aagcattagc aagattaatc aaaaaaaaa                          759
```

414

```
<210> 665
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (430)...(0)
<223> similar to gi2072972 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 665
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn       60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc agacttttttg     180
atgtaagcat ttaatgccat gaactttcct cttagcactg ctcttgctgt atcccagagg     240
ttttgatagg ttgtgtcact attatcgttc agtcaaagaa cttttaagtt tccatcttga     300
tttcgttgtt gacccaacga ttattcagga acaggttatt taatttccat gtatttgcat     360
ggtttcgagg gtttctttg gagttgattt ccaattttat tccactgtga tctgagagag      420
tgcttgatan                                                            430


      <210> 666
      <211> 461
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(462)
      <223> n = a,t,c or g

      <220>
      <221> misc_feature
      <222> (127)...(463)
      <223> similar to gi2065209 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


      <400> 666
```

```
ccaccaattt ccttcctttt tttttttnata ggagtggagg tntaataggc agaagaaaga      60
gaaaggaaaa tggcatccnc aatagtggca acatcctctc cccgacccat gctgccatca     120
gcctttccac ctttgtctga ggagataaac cctgtgctgc ctgaggcaac agtgatggcc     180
tcccctgagg cagttgccag gcaagataat atcgattctc ctctagcacc ctcaacacct     240
ttgtttgctt ctagacctat aactaaagtc ccgatgggcc cacagaagtg aggttcagag     300
tgtgacccat ggggaggtga gctacacttg aattgagttt tctaatttat ataagcagaa     360
atttggagaa caggcacggg aatggatatt aagggtgtgg gataatgctg gaaggaacat     420
acagatgcat caggctgaat ttattgattt gggctcacta a                        461
```

```
<210> 667
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(331)
<223> similar to gi804810 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 667
agatgaacac atataatcaa tttctctcta ctaacaatga acatatggaa atctaaatta      60
aaaacataat accacttatt ccatagaaaa ttaaatagtt tggtataaat tgaacaaaat     120
atgtatagga cttttgtgct gaaaattaca aaatgctgat gaaagaaata atagaaataa     180
atgaagacac atggtctctt gatagattgg aaaactcaac ttagtaagta tgccagttct     240
ctccaaattg atctgtaggt ttaatggcat tcctgtcaag attccagtaa ggttttctc      300
agctttaaat aaacttattc caaaatttgc ataaacagtc aaagtcataa acagttgaaa     360
caatttggga aaatttttct cataagtttt gagaaaaaga g                        401
```

```
<210> 668
<211> 1148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (338)...(1116)
<223> similar to gi1947160 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 668
tccagtctca gggccctgcc ctcttccctt ttattccacc aatctcttgg gtggggagtg      60
gcgtggggaa tcagaagcac caggaagcct gggaaaggag aagccactgc agctgcccca     120
```

416

```
gacaccccac cccataaagg tttaaagaat gggccctcac cccatctggc aatcagcgga        180
gggggtgggg cacaaaggcg agcagacact ggtcaagctt ccacttcatg taaacaagga        240
ggccgtggca ctgacccctg cccagccacc gacagtccgg tggaggcgtg tgactgagat        300
gcttcggacc ctctcatttg ggatccagcg tccctgaggc caggacggag gctgcagggc        360
agaaggccag ttggcgtctg atgtgcaaac tggtgcagtg tgcgacctgc gctctccaca        420
gcacagggca gggcaggcag gcatccacac gtcctgccca ccaccatccc gcagctcagg        480
aaatcacaca gttgctaggc ttggcagaac tgggacttgt tttacctgag atgtcagcac        540
tggaattctc gttgggcctc ttccccgtca gaaactccac ttcaaaggtc tcgggggaaa        600
cagagctggc catgccattg ggcgccgcag gccttttggc tcggcgactg aagagcctgc        660
tgctgaagcg cccggcgggg gcggcctccc cccgggccgc ttctcccatg ccatttcggc        720
tgggtgcctc tcgggatttg ggcttcaggt ctctgtgcat gtgagagacc atcctgccat        780
ccttctggct cagctctccc aaggggatgg gctccacggg gggcagcacc tgctccaccg        840
taaccaggtc tttcaggaag ctctccaggc gccaggccga ctcgccaccg ctggcgccct        900
cctcctgccc ctccgggttg ccgcccgcct cccgctgttg ccgggcagcc cagcgcatca        960
tctccccagg cgggtggcgg cagcctgaca ccaaggcgta cttggggttg ataagctttc       1020
gagccacagt ggaggagtaa tggaggccaa ccctgcccgc caggctcagc tgccggtaca       1080
agtccacctc ctcggagatg gcgtacagct cccggaactc cgtgtcaaag ggctctacgt       1140
tctgtcct                                                                1148
```

<210> 669
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(719)
<223> similar to gi200543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters.

<400> 669
```
cctgctggcc tcggccaaaa ggagggtgga ggcagcttcc tcctgggtgc cttccttgac         60
tgggagcagc tcgataaagg gggccccagg gggcagaagg tagacgccat ggggctgctc        120
tggctgtagg tttaggccca gcacccctcc cgaggcagca taagcaggag agaagaaggc        180
tagtccttgg caccacaagg ccccgagggc agccacagcc tcggcctggc ctcctgcatc        240
cagagtcacc accacctgca gctttggcca gagccgaagg gccagtcccc gtggcccctg        300
ctatagggcc tcccggagct cagctgcccg ttcacggaga ggtgctccag ggttcccggc        360
agctatcgcc ccagctagct cttcaccatc agtctccagg cccaagaaaa catccagaag        420
ttcgacagcc gtcccagcct ccagtgccct cagccctggg gacctcagtg cgtccagcag        480
cagggcccta gggtccttgg ttccaggggt gcccacctgg cccagggtat tcccaggcca        540
aggcaggggt cggggccaag gggatgtaag cgtcacacgg gcagtgcgtc cctgagccag        600
cacttctggg taggccttgt ttagggctgc cagacccagc aaggtggcct ggaggaggaa        660
agagagaatg ttggtctggt gtcagagcca gacccagagc ccccatttgg gggttcttt        719
```

<210> 670
<211> 487
```

417

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(489)
<223> similar to gi56589 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 670
aattaatgaa ctaaaagaag aaaacttaca tgatgctctc tatcaatgca gaagatgcaa   60
aatttagcac acatttatga ttttaaaaat ctcaggaaaa atagacatag aggggggattt   120
tcctgaactt gataaagggt aaacaccata agccttcagc taacatactt aagggtgaga   180
ctgaatgctt tgtccctaag atggggaaca aaccaaggat attagttctc accgcttatc   240
caacatatgg ctgtaatttc tagccagtgc aataaggtaa gaaatggaag taaaagtcat   300
atagattgga aaagaaggaa taagactcca tatttgcaga ttacatgatt gtgtacatag   360
aagatcccaa ggcatgcaca aataaactcc tacaactaat aggtaagctt agcagggtta   420
caagatacaa gatgacacac aaaaatcaat tgcatttctg tatactaaca atgaacatat   480
ggataaa   487

<210> 671
<211> 1094
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (765)...(1093)
<223> similar to gi1780975 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 671
ccggtttgct gttaataaat atgtgggtaa atatctgttt ggggctctca gctctgaaga   60
ctgtgagacc cccaatttcc cacttcacac ctctatattt ctgtgtgtgt gtctttaatt   120
cctctagcac cactgggtta gagtctctct gactgacctg gtcttggcaa gtggtgtcca   180
tttgtggggg ctcatatcca ggtcgaaggg tcaccagagc aatggttgga atgggaaact   240
agctggagga cacccgagta ctcttaaagc aatccctgtc gtgcgtaaga aggggagctc   300
ggaagtgtca gggtaacaat gggacaggta tggggtctgg ttcatttcac cttggaactt   360
tttcacactg gtaatgagga ggaacaagag tatagcgaag taacagaaga ggttacagag   420
catgtttatt ttgccagcta aagctaaaag cagcaaagga aggaagagat tcatccctac   480
ccttcttgca cccctccct tattaatttt gatgaagatg accccccaaa atctttcctt   540
tcctggagga cactgggcaa aaagtaattg ccccagttga ctgtttcgag cagcgcctca   600
tgtgacagct cttagttcta ttcaggcagg aattcgagca agctagacaa gagggtgatt   660
tagaggcttg gcagttccct gttagaatac accccccaga tcaacaggga aatattatag   720
ctacatttga gcctttttcct tgtaaattac tcaaagaatt taaacaagct attcatacta   780
aaaaagaatg tagaaataat cagcaagtca gctgccagat aggggaaaaa agaaaactgc   840
tgagtctgaa atatgtccaa catgtaaaaa aggaaaacac tgggctaatc agtgtcactc   900

```
taagtttgat aaagaaggga acctgatttc aggaaatgcc atgaggggcc tgtcctgggc    960
cccattccaa actggggcat ttccagctca ggccattccc tcacacccgt acaatgtctg   1020
tcccccgcca cagccggtag tgccgcagta gatttatgct gcacaaaagc tgaggaattc   1080
ctgcgcactg cgct                                                     1094


        <210> 672
        <211> 585
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(541)
        <223> similar to gi56520 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 672
acaacatatc aaaaacttgg ggacacagcc aaagcagtgc tgagaggaaa attataacaa    60
tgcatgtgta taatagaaaa gagtaagtct cagattaata acgtaagcac ccacctcaac   120
aacctatgaa tagaaaagca aacctaaagt aaacaagagg aaggaaataa ataagagcag   180
aagttattga aattcaaaac agcaaaacaa aagataaaat cagttaaaca ggaaataaac   240
aaaattgaca aatctgtacc aggactgacc aaaaaaaaag agagaggaga cataaattgc   300
cagtgtcagg aatgaatcag atgactcact gtggaccctg aagatatcaa aaggataata   360
agggaataat atgcacatgc attggacatc ttaaaagaaa tggacaaact tcttgaaaaa   420
cacaaactat cacaaattat ccaatataaa atatatcatt tgaataatct taaaattact   480
aaggaaattg ggttcataat tttaaaactt gcaaaaaaga aataggtaga cccaagtggt   540
aagaattata ccacacattt aaaatacagt taactggtag agtgc                   585


        <210> 673
        <211> 394
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (20)...(394)
        <223> similar to gi1174092 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 673
ctggaatttg aaatcacaaa caagaccatt tacatcaaca tcaaaaaaac acgaaatatt    60
ttggtattaa taaaatatgt gcaagatccc taagaacaag actaaaaatc tgatgaaaga   120
aatatatcta aataaatgga gagatagtcc atgtgcacaa ataggtagat tcaatatttt   180
```

419

```
caagatgtca gttcttccca acttgatctg gagattcagt gcaaccctat cattgcaatc      240
aaaatcccag caagttattt gtgaatatta acaaactgat tctaaacttt atatggaaag      300
ggggaaaaaa agaatagcta actcaatatt aaaggagaag aacaaagtca gagaaccgat      360
gctactcaac ttcaacaatc agcaaaagaa aaga                                 394
```


          <210> 674
          <211> 514
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (22)...(388)
          <223> similar to gi2072972 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 674
```
tgagctagat gccattaaca aagtcttcca gcaaagaaaa gcccaggcct tgatagcttc       60
actactgaat tttaccaaac atttaagaag aactgtttca aaaaatagag aataattcca      120
gactcaatct atgaaaccaa tattcctctg ataccaaaac caaagaaagt gacagggcag      180
tatctctgat gaccactgat acaaaaatca tcaagaaaat actagcagag ttcagcaaca      240
cattaaaaac atcattcatc atgaccaagt gagatcccag ggatgtgcaa ggatggttca      300
gcatacacaa atcaattaat gtgatacatc atatcaacag aatgaaggac aaaacccatg      360
tgataatctc aattgatgcc aaatggctgg gtgttgtggc tcccacctgt aatcccagca      420
ctttgggagg ccaaggtaga tggatcgctt gaggccaaga atttgagacc agcctgggca      480
acatggcaaa acctcatctc taggaaaaaa aaaa                                 514
```


          <210> 675
          <211> 495
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (167)...(489)
          <223> similar to gi3599344 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 675
```
agttgtcttt ctggtaccac cccccatccc gagggctatc taggggccca cttcaagtca       60
cttcattagc ataagaggac actcttctca ctcaggaaat cccaagagtt tttgaacctc      120
tgtgccagga accacagaca aaagatcaga tgtaatcttt attatgccaa ccaaagacag      180
ggagataatc ttgaaagcta caagagaaaa atgaccaata gcttataaag gaagccccaa      240
```

```
taagattaac agctgactct cagtaaaaac aatgaatgcc ggaaggcagt ggaataacac      300
aatcagagca ctcaatgaag aaaaaaaaat tctcaaccaa aaatcctata tccagcaaag      360
accatctttc aaaaatgaag gtaaaataca gactttccta gatgaataaa tctgaacttc      420
ttgttagcaa acccacctta tgagaaacac taaaggaact tcttcagctg aaaacgagga      480
actccataca gcaac                                                      495
```

```
        <400> 676
aaatttaaa caagtggtat caagatcctg aagcatttct ctgaagagtt gtaacaggag       60
atggaacatg gctttaccag taggatcctg gagacaaagc aatggctcct aaaaggggga      120
agtggcccag tcacagcaga agtgatcagg agcagaagtc acagcaacag ttttttgaga      180
tgctgaagac attttacttg ttggctttct agagggccaa agagcaataa catctgctta      240
tgatgagagt gtcttgagaa agccaaaact ttagcaaaaa aatgcccaga aagcttcacc      300
agagggtcct tctccaccac cacaaggctg ctgctcattc ctcatcaatc aagggcaatt      360
ttgcaagagt ttcaatggga aatctgtagg cattcacttt acagtcctga tttggctctt      420
tctgacttct ttttgttttc taatcttaaa aatctttagg tcggtcatgg tggctcatgc      480
ctgtaatctc agcactttga gaggccgag                                       509
```

```
        <400> 677
cgcctgaaga caggcaagaa gttaggggag ttctgatcaa ggcgaccaaa tccagattct       60
gatgaagggg aagattagga gggagagagg aggaaaagta gtagggtgga gctgccattg      120
cccttcccac ttctttggta gagaaagacc aagagtcacc ccgagatttt ccttatgaag      180
```

```
aggattcaag acctcagtca tggtcttcca aagcagccat tcctccccca gtgaaggagg    240
aacaggacag actgagatct ccaagccgtc ctagcagctc cttcctcact aacgtggtgg    300
gaacggtggt gcacaacatc atgcagaagc gcggcttccg ggaaggctgg ggcctcgggg    360
agcacctgca ggggcttcga gacgcctttc cggtgggggaa gactagcaaa tcaggcggca   420
agatcatcgt ggccgacgcc gcacagaaag atgcattgaa aggtcaggtc ca            472
```

<210> 678
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (349)...(666)
<223> similar to gi4185942 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 678
```
attacagagc aggtttgttt gccaactaaa gctaaagcgg caaaggaggg agaggttcat     60
ccctacccctt ttgcacccccc tccttatttt gaagaaaaag agtggcctga ccctccagat   120
ctttctttc cagaggacag tgggcgaaaa gtagttgctc cagtgactgt ccgagcagca     180
ccttgagcga cccctctcag ttctattcag gcaggaattc agcaagctag ttgagagggt    240
gatttagagg cttggcagtt ccctgttaga atacacccccc cagatcaaca gggaaatatt    300
atagctacat ttgagccttt tccctttaaa ttactcaaag aatttaaaca agctattcat    360
actaaaaaag aatgtagaaa taatcagcaa gtcagctgcc agatagggga aaaaagaaaa    420
ctgctgagtc tgaaatatgt ccaacatgta aaaaaggaaa acactgggct aatcagtgtc    480
actctaagtt tgataaagaa gggaacctga tttcaggaaa tgccatgagg ggcctgtcct    540
gggcccatt ccaaactggg gcatttccag ctcaggccat tccctcacac ccgtacaatg     600
tctgtccccc gccacagccg gtagtgccgc agtagattta tgctgcacaa aagctgagga    660
attcctgcgc actgcgct                                                 678
```

<210> 679
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (451)...(24)
<223> similar to gi296382 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 679

```
ctggctacta ccccctgcacc tgttcccctg ctgtccccag gcctctctgc ctgaatctgc      60
ctctctctgc ctcttttctc ctgtccctcc aggagtctct ctgcctcaac cactctctct     120
gccccttcat ctctctgagc tggtgtgtct ggtcctaccc tctgtttggg gagctgtctg     180
gctctgtccc ccacctcttg gccagcctgt gtctcctgtc tatgactgag cccaattgcc     240
tgttgccttt ctgcaggtgt ttccacgagc ctatccctac ccacctgttt gtttctgagt     300
ctgcctgtgt gtccctttct ccctgtctct gcctgtcttc caagctcccc tagcatcccc     360
tcctcccgcc catctgtctt tctgtccctt ctgtgggnct gtctgttcct ggtggctgtt     420
tctcaanggc tggtttcttt gtaaanttaa g                                   451
```

<210> 680
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(520)
<223> similar to gi38032 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 680

```
gaaaccccac aaatgtgaaa aatttggtaa attctttaac aagtcttcaa cccttctgc       60
acataatata attcatactg gagagaaacc ccacaaatat gaagaatgtg gtaatgcttt     120
taaccaattc tcaaatctta ctaaacaaaa ttaatactga aaatgttaca aaccagaaaa     180
atgtgaaaat gaatttaaca aaaccttcaa atttttctaa acataaagga aatcatactg     240
gtaagaaatt ataaaaatgt gaagaatgtg acaaagcctt taaatggttg tcacacttga     300
ttgtaggtaa gataattcat actggcagaa actcccagaa gtgtgaagaa tatggcaaaa     360
ctttaattcc tataccttat tgcacaggaa agcatttata cttcagaaaa tgttgtactg     420
atataaagaa tgtagaaaag ccattaatat gtgcttacat cttattcaac attagagagt     480
tagtacttaa taaaagcatt ataaatgcaa ttactgtcaa aactcagtat aaggttttgt     540
tttagtgtgt gttttttgttt gtttgtttgt tttgtttgtt tttttttaaa tgagactacg     600
taatactctc tcccaggctg gagtgcactg gtgcaatctt ggtttactgt aacctctgcc     660
ttccaggttc aagcaattct cctgcctggg cctccagaat agctgggact acaggcatgt     720
gccatcacgc tcggctaagt tttgtatttt ttagtaaaga cagggttttta ctgtgttggc     780
caggctcatc tcgaactcct gacttgaaat gatccataca cctctgcctc                830
```

<210> 681
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(361)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 681
gttgcagcct cagctataaa tgcattttgg atactcctcc aacctattta ccaatangga   60
aggtttccat ctctgagtgg gccccagaac aggaaaaggc tctttagaaa ttccagactg   120
caacataatt atagtattcc acaactctag gcatcatgtg aagccacagg ttaaactcca   180
atagtagaat tgtagtgcag acccttaggg ttcttaaagt tatctgaaat agagaactat   240
aaatgtttgt aaaaccagtt tatggcatgc tattaggcac ctgtagagtt acagagtctg   300
accacatgac gtcaagtaac tatgaggcaa gaactgccca tcatgagctg ggttgcatcc   360
agattcatc   369

<210> 682
<211> 1310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (260)...(1311)
<223> similar to gi4966262 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 682
cagctactca ggaggctgag gcttgaacct gggagaggga ggttgcagtg agccaggatc   60
atgccacttg cattctagcc tggatgacag tgagactgtg tctcaaaaaa aaaatcctgg   120
gatttaatat tcatttttgg ctattcttac tttcttactc aagattttga ggcctcaaat   180
aattgttata gttgttcaaa actgtattaa tctaaaggac attttatcaa gaaaatttta   240
attcctttct ctgttcagga aacgattata tatggaagta tttgaatata ctcgccctat   300
gatgcatcct gaacctggaa aattctacca gattaatcca gaagagtatg ggcatccaaa   360
tacctggaaa gagagtttcc agcagttgta taaaggtgca catgtaaagc caggatttgc   420
tgaacatttc tacagtaacc ctgcaagata taaaggaaga gaaaatatgt tgtattatga   480
tactattgaa gatgcccttg gtggggtaca agaggctcat tttgatggac ttatctttgt   540
tcattctgga atatatactg atgaatggat atatattgaa tctccaatca ccatgattgg   600
tgcagcacct gggaaagtgg cagacaaagt tataattgaa aacactagag attcaacctt   660
cgttttatg gaaggctctg aagatgctta tgttggatat atgacaataa ggtttaaccc   720
tgatgacaaa tctgcacaac accacaatgc acaccactgc ttagagatta cagtaaattg   780
tagccctatt attgatcact gtatcatccg aagtacatgt acagttggtt ctgcagtatg   840
tgttagtggt caaggagcat gtcccaccat caagcactgt aacatcagtg actgtgaaaa   900
atgttgggac tatatataac agatcatgca cacgggaact atactgacgg ataactgaaa   960
tttccaataa tgccgttagc tgggatttgg gttaaaaatc atggaaaccc aattattaga   1020
cggaatcata ttcatcatgg acgtgatgtt ggtgtgttca catttgatca tggcatgggt   1080
tactttgaaa gttgcaatat acacagaaat aggatagcag gctttgaagt aaaagcctat   1140
gctaacccta cagtggttcg atgtgaaatt caccatgggc agactggagg aatatatgtc   1200

```
catgaaaaag gaagaggaca attcatagag aataaaatct atgcaaacaa ctttgcaggt    1260
gtatggatta cctcaaatag tgacccaaca ataaggggaa attctatatt               1310
```

<210> 683
<211> 968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(705)
<223> similar to gi5732634 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 683
```
cggggggatga gtaggcaccg cgggtaccac cccccccgcca cccaagctga acctgtgcct     60
cccctcaccc ccgacagcgg ctccgtcctg tccaatccag gagctggggg ccctgccact    120
ccctccctcc tgtcccacac ccaacagctc ggccagtcct gtgggccctg cttccagcat    180
ccatgccaaa tccaccatgt ctccccttcc ctgtcttctc atggtccagc cccagcatgg    240
cccgcctgca cccgccccgg tcccaggctg caacttctcc cccagcagct gtcctcccgg    300
cagcaaccac cagagggcgt ctgtgagcgc ctgggtcagg gcctgtccct cttctgccca    360
cagctctctg tgagtcccac tgtcctcagg gtcaaatccc ctaagtcctc cccatggccc    420
accaggccct gcacgacctg ccctcccctc ctccctctac tccagccaca caggcctcct    480
ccctgttctt ccaacacaac atgccaggtg tggtcctgcc ccagggcttt ggcactactt    540
gtccctcccc attggcctgg aatgctctga catcctgcag gtgtcagggc cacgtcacct    600
cctccaagaa gccctccctg gcttcctgcc ctggctgtcc aggtttctct gagcgttcac    660
ctttacacac cacccacacc ggtaccaacc acatgttcac ctctgtgact attaacacgg    720
ctggctctgc cccaggccca gaccggctgt ggtttccagg ccctgggcct ctacaggcgt    780
gaatgctgtg atgctgtggt ctagaaccat ccatgtctga accctgagtt ctgtgggtct    840
gggttacacg gactcggggc tcccttccag ctgggcccac ccccgatata tttctgtacg    900
gtgtcttcag cactgcacac atggacccaa cgtttgttga gtgaataaac tacatgcaca    960
gaggaaga                                                            968
```

<210> 684
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(248)
<223> similar to gi9999 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 684

```
aatccttata ccatcaccaa ttgcaccacc actgtccaca cccaccatca ccttcactgc    60
catcactcca tcaccaccag caccaccaat accatcacta accccacagc caccatctct   120
gcaaaacatc tccaccacct tcaccaccat cgtcaccatc ggtaacagca ccatcattat   180
caacagcacc cacaccgtca cctccatcac ccaccacctc cacctgcatg tagcacgcac   240
ccacctcatg ggggttctcg atgtgtctgg ggaaacagaa tgtgtttatt tgaaggtagc   300
tgctttcagg aaacaggcgc tgccagagat taaagtgaag atggggtcgg aggataaggg   360
aaggcttcca gaaggaggca agctagagct gagaggacca gggctgagtc aaacctgcag   420
aagagccagg gcctggagag aaccttttct gccccatccc ctccccttcc cctagggatc   480
cagcttccaa aggccgaggc ccaagacagg                                   510
```

<210> 685
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(385)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 685

```
tagaaaccta catgaaatat acaaactctc aggaatacac aaactaccaa aactgactca    60
aggaaaaaca gaaaatctga gatctttaat aagagattga atcagcaatc aagaaacttc   120
caggaaagag gagcccagga ctagatggct tcataatgaa ttctacccaa tgtttaaaaa   180
agaattaaca ccaatccttc aaattctccc aaaaaaatag aagaggagga aattcttaat   240
tcattctctg agtcccgaat taccccgata ctaaaaacag agtaagagat cacatgaaaa   300
ctactgacca gtatctctta ggaatataga tgcaaaaatt ctcaacaaaa gattggcaaa   360
ttaaatctag cattatatta aaataaaaac atgcc                             395
```

<210> 686
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)...(723)
<223> similar to gi2653222 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
          <400> 686
gagttccata cagcctcgga attaacgggc cgacccacgc gtgcgcggac gcgtgggcta        60
ctttggtctt agttggggttg tttggatttt ggtcctgacc tcgtttctga atgctgctta      120
tgtgagctgg agggagagtg gacactgccc ccccatcccc tctcactgcc ttgtgatggg       180
atcttaagag aggctgggcc tcgaagactc aggtgtggcc ccactgggtc aggtgtatag       240
ccctctcggg aggcggagga gccctctggg ggtggggagc cagcccctac cagtgtcctc       300
ttgggtggtg agtggtttct tggcagcacc aacctggact gcctcagcca ggaccccagc       360
attggccaca ctcccctgcc cagtgtccca gggcacaacc tgggcccata ggacctgaca       420
cagatgcgtt ggagcctgca gggtggatga gtctattacc tgcagtgagc ccatgtcccc       480
acagagggag aagagctggc gagagtggca gagggcacca gcttcccgcc tcaggagcca       540
cggcacagtc cgcaggtgaa gatggccccc acaagttccc cggcagagcc acactgctgg       600
ccggcagagg ctgccctggg cacaggcgct gagcccacct gcagccaggg taaggcgagt       660
tgggagcagc ccagcaccag cccccaggag gctgcctcac agctggcagc caggtgggt       720
ttccc                                                                   725


          <210> 687
          <211> 2049
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (228)...(1755)
          <223> similar to gi3876451 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters


          <400> 687
ctacaacagt gaccaagctt tccacaccct ccacatgcgg ttgtgtggac atcatctctg        60
taaaggagca gagcaaaacc gtggtcacca cgacagtgac agactccctg accaccacgg       120
gaggcacact ggttacatct atgactgtga gcaaagagta ttccacacga gacaaagtga       180
aactgatgaa attttcaaga ccaaagaaga ctcgttcagg tacagctctg ccatcctata       240
gaaaatttgt taccaagagc agcaagaaga gcatttttgt tttgcctaat gatgacttaa       300
aaaagttggc ccgaaaagga ggaatccgag aggtcccctta ttttaattac aatgcaaaac       360
ctgcttttgga tatatggcca tatccttctc ctagaccgac ctttggcatc acttggaggt       420
atagacttca gacagtaaag tccttagctg gagtgagcct gatgttacgg ttactgtggg       480
caagtttgag atgggatgat atggcggcca aggctcctcc aggaggaggg actacacgga       540
cagaaacatc cgaaactgaa atcacaacaa cagaaataat taagaggaga gatgttggtc       600
cttatggcat tcgatctgaa tattgtatca ggaaaatcat ttgtcccatt ggagttccag       660
aaacaccaaa agaaacgcct acacctcaga ggaaaggcct tcgatcaagt gcactgcggc       720
caaagagacc agaaacgccc aagcaaactg gccctgttat tattgaaacc tgggtagcag       780
aagaagaact ggaattgtgg gagatcaggg catttgctga gagagtggag aaagaaaagg       840
cacaagcagt tgagcaacag gctaagaaac gactggagca gcagaagccg acagtgattg       900
caacttccac tacttcccca acaagcagta caaccagcac catctctcca gcacagaagg       960
ttatggtggc ccccataagt ggctcagtta caactggaac caaaatggta ctaactacta      1020
aagttggatc tccagctaca gtaacattcc aacaaaacaa gaactttcat caaaccttttg      1080
ctacatgggt taagcaaggc cagtcaaatt caggcgttgt tcaagtacag cagaaagtcc      1140
tgggtatcat tccatcaagt acaggtacca gtcagcaaac ctttatttca ttccagccca      1200
ggacagcaac agtcacaatt aggcccaata cctcaggctc tggaggaacc acaagcaatt      1260
cacaagtaat cacagggcct cagattcgcc ctggtatgac cgtgattaga acaccactcc      1320
aacagtcaac actaggaaag gcaattattc gaacacctgt gatggtacag ccaggtgctc      1380
```

427

```
ctcagcaagt gatgactcaa atcatcaggg ggcagcctgt ctccactgca gtctccgccc    1440
ctaacacggt ttcctcaaca cctgggcaga aaagcttaac ttcagcaacg tccacttcaa    1500
atatacagtc ttcagcctca caacccctc gccccaaca aggacaagtg aagctcacca    1560
tggctcaact tactcagtta acacagggcc acggtggcaa tcaaggtttg acagtagtaa    1620
ttcaaggaca aggtcaaact actggacagt tgcagttgat acctcaaggg gtgactgtac    1680
tcccaggccc aggccagcag ctaatgcaag ctgcaatgcc aaatggtact gttcagcgat    1740
tcctctttac cccattggca acaacagcca ccacagccag caccaccacc accactgttt    1800
ccacgacagc agcaggtaga gctgtgggtt tatcggaaat gtcggatgtt actactacac    1860
gtggctgggc taacacaggc caacaggaga accagtattt acctttggaa ggatatgcct    1920
caagccagtg agctcaacag ttgacatagt cagcctcaca acgtctcgaa gcttttgtac    1980
cctattctta cagactccct gttaccacca ccctctccct cctattaaaa aagagagaga    2040
gagaaaggg                                                             2049
```

<210> 688
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(616)
<223> similar to gi3165522 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 688
```
cattctgatg ttggagcggc cacagctgtc ttgcccctcc tcacggccgt gttgggtgtt     60
accgtggtca cccgcaggga cacggagggg ccaggcagag cagccctagt tcacctcacc    120
gggagccccc gccagaaggt gggcacctct gggagggagg gactgccagg ccttggggct    180
tcctgtgctg agtcagagct ggaacgggag acgcaggagc cccgcagccg cgggaggtgc    240
atatttgggg ctgccaggtg gcgccaggtc cccttggcca gcccccagcg ccccttttctt    300
ctgtccccag ggcctcggct tcacaggatg gggctgccag tgtcctgggc ccctcctgcc    360
ctctgggttc tagggtgctg cgccctgctc ctctcgctgt gggcgctgtg cacagcctgc    420
cgcaggcccg aggacgctgt agcccccagg aagagggcgc ggaggcagcg ggcgaggctg    480
cagggcagtg cgacggcggc ggaagcggtg agtgccaagc tgtcccgggg accagggtgg    540
ggtccgcagg ggaccgacca gccttcctcg ccccccagtcc ctactgaagc ggacccacct   600
ctgctccctc agcaagtcgg acaccagact gcacgagctg caccagggc                 649
```

<210> 689
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(621)
<223> similar to gi1813968 in the genepept database release 114,

```
        <400> 689
gggcgtcgtt agcacatagg aaggagaccc tctcctcccg gaggtcaccg ccgacacacc      60
cgcagagcct gcagatctcc tgggacaggc gaaggctgcg ggaataaagc tccctgtacg     120
tgtggcggcc gtgctggtca accagggcga ttctgtcccc aaaggccagg gcacgggtga     180
acaccggggc gctcctgtcc gagcgggcca ctggggctgt gtgcagaaga ccacttcctc     240
tgtgtctcgc aggcgccagc cggcaggagg ccaaggcgca gcccaggcgc cggaaggtga     300
gcaccacatg gggcggcatt gcactgacag gcgctcccgg gagcctcctg gggccgagcc     360
agctcccgag ccagagagag gaggtaaggg gaagttcgca gttcacaaga gcggcaggca     420
cagctgcttc agcaggtgga agggcacgat aaggtgcagg caatgcaaat gctcatcctc     480
ctggggcagg caccaggcct ggcgctggaa cccggaaggc cggtgggaca cctgtcaacg     540
ggcatctgtg ctgaggtccc aggctgtgtg tataacgctt cccacaggca caacactcaa     600
cactcaatgg gggaagggaa gcatgttcat ttacaagcta aagacaacat tatcaaataa     660
agctgtgagc cttatctccc gacaatggcc agcagtgacc ccatgaccct gtcgagtctc     720
ctcccacaca ccacgccccc tctgtgggat ctgtgcccat gttcagcagg ttctctctct     780
ccagcacatc tctttcatta acttgtgagg ggaaagctac tgtgttattg tctgtggttt     840
gtaataaaca gttttgtttt ctgctcttag tttgaa                               876
```

```
        <210> 690
        <211> 1037
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1038)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (123)...(613)
        <223> similar to gi2997619 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 690
taaaaagtga ggatcttttc ctttcttgta agttagaaga aataacctct tcagttaaac      60
cttcagtgaa ggttctttta gttttctgtt ctgctttcta aaaacataga ctctgttctt     120
tagagcaact tatgactctc atctctgctg cacgagaata tgagatagag ttcatctatg     180
cgatctcacc tggattggat atcacttttt ctaaccccaa ggaagtatcc acattgaaac     240
gtaaattgga ccaggtttct cagtttgggt gcagatcatt tgctttgctt tttgatgata     300
tagaccataa tatgtgtgca gcagacaaag aggtattcag ttcttttgct catgcccaag     360
tctccatcac aaatgaaatc tatcagtacc taggagagcc agaaactttc ctcttctgtc     420
ccacaggtat tgtatataat ggctttacat ttaactagtc ttcttggaat atataactta     480
taaaggacca tgggccccat tctctctcca cttccctcct cctttggtgt gtaaaagtag     540
gaatcttttt ttagaagaca tttttcaaga tcctaaattg gagaaatttt aggaactaat     600
aaatgacaac tgactaggca aaagattttt atgtattttt aagtactgga agtatatgaa     660
```

```
cattacattg tcaatattaa aagagggata gtattgaaat gaaaactgga gaaaaaccaa     720
attacattgc ttttacctta gtcacttctc atttcctcct acttgtcccc ttttttctgcc    780
catgcatatc tgtccctttt tgcactcctc ccactcccat ctgggctctt atttcaagta     840
gtcagcatag aaagcttaac agttttccc gttttccttt ctttntgccc ctctggtttc      900
tttcattgaa aatattttag tctcttagtt gcttctcaaa attcaactta caggaagttt     960
tccccacact tcctttgtca ggaagaattt tagattaaat tatttaactt tctttgtgtg    1020
tatgtgagcc gagaacc                                                   1037
```

        <210> 691
        <211> 701
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(701)
        <223> similar to gi4584086 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 691
```
ggagacagag tggggaggaa tgccctgtct cctctcccag gggccccgac caccagccta      60
gaccagcggg actctgggct gctcaggctt cagccatctc tctcctgcca ccatggctct     120
gcccagaaac cgtggatggc cctgcccca accctagaat gttgcagggc tttccggcag      180
gagaggggca caggagggcg accatgggct gaggtttctg aatgacattc agcaggattt      240
ctgccaatgg ctcgatggct cgcttccact ggtaaggatc accggtctgc ccccaggggc      300
cctggaccca aacaggagca tcaggcctgc ccaggaaaca gacacctcag gtccgtcact      360
cggaggcctg gatgtagacg ggcacagcga gcatggcaca tgggccctcg gccccggcct      420
gcagctccgc cagagccagg ttggagccca gcccctcagc gtgtccaggt accaccagct      480
cagtttccgc gcccaccgca ccacccacaa cgatggacag caccgcgtcc ggctctgcga      540
agggcggctt gccggggaca gcctcgggca ccagcccagc ccctgtgtcc ttcagctcct     600
ccagccccag cgggtcaggc aaggggggtca gcaccttgcg cccaccactg ccgcaactgc     660
ggggggggctg ccctcctctg ggggggccgc cgggtctaca g                        701
```

        <210> 692
        <211> 1979
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (221)...(1899)
        <223> similar to gi50489 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 692
```
tttttttttt cacgtctgca agtcagcgtt tattgctcaa gcgtattaaa caaaaatgta      60
gactgaaaga gacagttctt ttaaacccca tttttccgga ttttttaagc gctctaaaat     120
aagaaaataa gaaagtgcaa gccagcaaaa acgctccaag tgcctaattc tgactctgaa     180
acttgagctc tctgggtctg cccccaagaa gacatcagcc cgccccgggt cgtccctgtg     240
gctcccaccc cattcccagg agcagacccc gccagcctca aagctgcagg gaggtggggg     300
tggcctgcag acagggtggg gtctgcatcc ggtaccagtg acagcagcct ctcctctccc     360
acggtggtgc ttgtttgggg ctgtggccaa agtgtttgcc cggcccctga ctgtgtcctt     420
ccggagctgc cgaggactgc agagagggcc tggcttgtcc cctctaggag cagctgggaa     480
ggtgtcttgc ctgcatcccc cttcaatggt tgaaaataat gattccactt gtcatgaaca     540
ccatgaaggt atcttggcag ccagagtcac tcctgttccg aagtgggaaa cctgggaggg     600
tcctcaaacc ccctggcagg gtctgcaggc cgccccatcc agctgcatct cccaggcctc     660
ctggttcttt gatcttgatg gccccaggcc acagatgcat ctccgggcct ttccagcagc     720
ccatggggga ccagtcaata caccccacgg cggtgaagag aaaacgttca tgtcttctca     780
gatcagaagg aaagaaacaa aaccattgtg aaggaaaaca cctgctggaa agtaattatc     840
aaagtaacag cattccagtt tcacagtcgc cccaactcac tgtggattta ctgccgtcag     900
ctgggaggac ccaggcgccc tcgggacgag gagacgcagg gaaacccact cctggccatg     960
gcactaccca aagccagtgt tattctcaca cccaactgtc cctgcagcct ggcaggtggg    1020
cagtgaccgc ctgggctgta ccctaagacc ccaaaacagc ggagatggag aagaccgctg    1080
ccctggggcc ttctcagtga ggatcaagac aaagtacttg ctaggaggta gagggcgctg    1140
ggtgaacctg tgagaattcc tgggctctga cctgatctgt cctgcatttt gagtaatggg    1200
agcaaacaca ggagggaggg gctcagcttc ccccggtcac tggggccagg gagacgtggt    1260
ccagccggtt tacaaagcct tggatgcagc cccacccccca agaacactgc ctgtcacagc    1320
agcggccacg tggcactcca agctgggcat gacagtgccc gggacgtggg cagcggccat    1380
gtggcactcc aagctgggca tgacagcacc caggacgtgg gccggccagt gtggcggtgg    1440
atccctctag aatgactggg tctaagtagg gagacagggc aggcgacccg gcgtggactg    1500
gtgtggattt cacctgggag agcagcggca gcctgtgtcg cttgcgccca ggctctggag    1560
gaggggcccc tgcggctccc gggccaggac agaggcgccc agccctgctc tcactgtcca    1620
ggaagagccg ctgggcagcc tgagcctggg gcaggtgcac cttgcaggga agtgggtaag    1680
atcccactgg gctgactgag tacccgggac agaccctaag cgtggaggga ggaagcccgg    1740
tcagagtggg caggagacgc agggacccac agtctggtca ggtccagaga gcccactcca    1800
gcccaagcca tgagagaggc aggaagagga gctggggcca gttcaggggt ggggctctca    1860
agaggccgag ccggggggccc ttcctcggcc tgggaagttg cggccatgct cctgctgtta    1920
cgacacggga gccactcgga gctgactgat ctcactgagg cacagactag ccaacattg     1979
```

<210> 693
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(728)
<223> similar to gi22333 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 693
```
gggcctccag actccagctc agttaaggtc gccaagcagg taggatcttt ctggaaccca      60
gatctgatca cacctccctg gaggtccctt caggcctgcc ctccctgcca caccctcacc     120
```

```
agacaaaaca cttccctgtg ccatccccaa gctctcacct cctctcatct gaagcgctgc      180
gcctggcaca ccaggctcca ccttgcctgc ctggccaagc cctactagga aagtaaaatg      240
tcacctccag agagaatcaa ccactttatt gcctgctctc tccagcatct cgcggattta      300
cctacatgta ggagtcccct acccaacccc gggcagccca ggatcctgca cccagtgagc      360
cctcatcaat ggctaactga atgggaagct agtgagaggg tggggctggc ggtggtcagc      420
ctatgtcagc cctggacaga aggggtctcc ctcatcctgc agctggtcca ggaagcagcc      480
ctctttggag ggctccactg agagctcctg ccctgctggc tccgtaccca cagcagggcc      540
aggatggagg acgctgcatg ctgtgccaga acgagtgtct agtggacctc cccactagac      600
tccccactag actccccacc tagctcccta gcccaccaca ggcaccgctt ttggttctag      660
ggttctgccc agccagcctc cctgtcccaa ggccaggcca tcccagctga gacccctgcc      720
caggatccgc tgcatggctg gcatctgtgc caacctcct                             759
```

```
        <400> 694
cttgccaagt gagtgtgggc gcaagacgcc cctcttggcc agggctctgc ccggcctgtg       60
cttcctcagc ctgtccatgc accagttggg aggcccagca caggatctgg cggccccttt      120
gggagctagc cagcaagaca cccacgtcac agtgggcaca atgacatccc aaaggagggg      180
tcaggagcct ggacatttgg ggagtggcct ggcatgggtc gggggcagta ggtggagtcc      240
aaccaccgat ctgctcctct tacagggaaa tcgggagcac caaccgtgcc ttgctgccct      300
ggctgctcga gcagaggcac aagcacaaca aggcctgctg cccgctggag ggggtcaggc      360
catcacccca gcaggtcaga ctagacttcg gtggccacaa accctatcc tgggttttga      420
aaaactttgc ttttgctcac ccttcctgtt gatctccctg ctttgtgttt tcttctggta      480
acatcacata gttgtcagct gttcctcttg tttgactgcc agcccctgtg gggaaatcag      540
ggtttccagg cccaagcgct gggcagccag ggtaaggtgc agctctctct cccagcagac      600
tgagtatcgt aataagtgtg agtttctggt tggcgtcggg gtggatgggg aggataacac      660
cgtgggctgt cggctcggca agtacaaggg cgggacgtgt gctgtggcag ccccgtttga      720
caccgtgcac atccccgaag ccaccaagca ggtggtgaag gccttccagg agttcatccg      780
gtccactcca tactcggcat acgacccaga gacgtacaca ggccactgga agcagctgac      840
tgtgcgcacc agccgccgcc accaggccat ggccattgcc tacttccacc cccagaagct      900
gagccctgag gagctggcag agctgaagac ctccctagcg cagcacttca cagcagggcc      960
aggcagggcc agtggagtga cctgcctcta cttcgtggag gagggacagc gaaagactcc     1020
tagccaggag ggcctgcccc tggagcatgt ggctggggac cggtgcatcc acgaggacct     1080
gctagggctg accttccgga tctctccaca cgccttcttc caggtagcca tgagtccctg     1140
gtgggcatgg ggacatgttg agggaggcct gacgcaccat caggacgtga tgggaacagt     1200
gggctcaggc ggtgagattt gggggagtat ccaggcaggt gagccacagg ggagggtgaa     1260
gtaagaaaga ggttggtcat cactgatttg actcgggata acctagaggt acacacggca     1320
gtggcccttg tcacagggag gatgaggagt ggccctcagt gcattaccac agggcactgc     1380
tctgggctcg gcaggaggga ggccatggtg gcctctgggc tgggaaatac tgtttcactg     1440
tttgctcact gctgcaggaa ggctgtgggg acctggagcg gccgtttttg gagacaggcc     1500
tggcaggacc tcctggaggg ctatgtgtgg gggtgggagc tg                        1542
```

<210> 695
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)...(414)
<223> similar to gi600118 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 695
cccatctccc ttgcgcgaaa cgagcctcag cacgaaggcg acagaggggc cggcaggggg   60
cgcccgagcc ccgtctctgg agcacaaaga cccccggccc ctgcgcgacc cggacgagct   120
cgcattcagc caacgactcc tgtgagaaac attccagcaa gcactcggct gctcccctgc   180
ccgccgcgct cacaaccgcg tccattccct cctcactcta aagccagccc cccgtgcacc   240
tgagaggcca gtccaggctg tgacgccgca tcctcacctc ccgcaacagg gaggtcagca   300
ggcggccgag cagcagggac agaccctcag cctcatctca tcttggcccg ggacctgcaa   360
ccctcagcct tcaaaaccac accaaagcca agcggccccc agggcctgca cttacgggac   420
agcgagtggg cccctctggg caggtactcg aacagcaggg agccgtcatc ccccagcacg   480
tcggccttca gcgacagcag gctgttctta ccggac   516

<210> 696
<211> 967
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (409)...(918)
<223> similar to gi1334878 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 696
cgcacagggg gaaatgaggc tcagggaggc agctctcctg gcgtgtgcct gctctgccaa   60
ccagctgctc ggtggcctgg ggcaagccgc taagcctcag tttcccgtct gcaacagaac   120
agccacctcc gcggcatcag aagctgctgc agagtccgag gcacggagtg gtcttccagg   180
gcacggcact gtgccctggg catcagtatc tcctctgcct tgcacgcctg cgtgttacac   240
aggccaggcc cgcctggggg gtgacttgga acctcagctt ccttctgacc tgtaggcagg   300
ggcccccctc aagggaagca gctctggaga aaaagtacaa catccttccc tgcattctcc   360
tgcgttcggc agggacagaa actgggcagc tttctggagc gcggtttggc aacatgtggg   420
cactgaaaac acagtgctcc ctccccagag ccagggaccc tcagtgtcag agaggagccc   480

```
tgcgagctcc ctccccagag ccagggaccc tcagggtcag agaggagccc tgcgagctcc      540
ctccccagag ccagggaccc tcagggtcag agaggagccc tggcttccag cacaaaggca      600
ggtgcactca gtggatcctg cagccctaca gcaacggtgg gaaccaggaa aacctggacg      660
acagggcctc ttgctccccc caccccatct gggaagtgtg tgggaagttt ctacactgcg      720
tcaccctctc tactactgtt taccttccaa ggttgagcca tcctagtggc tgctgtggcc      780
acacctgcag cccacacggc caaccctcca cagcatctgt ccagaggccc aggcagctcc      840
tgccaggaac cccgcagtgg cgcctcctgt ccctctcccc aggttagaag cctctgctgt      900
ccaccctgca tcctccatgg gaacaagggc ctcgcgcgga gccaggcctg ggtttgaatt      960
ctgactc                                                                967
```

```
<400> 697
tggaacccng ggagncggaa cttttacagt gagcccaagg atcatgccna ctgctctccc       60
agcctgggcc catatagcga gagtttgtct caaaacaaac aaacaaaaca ctaaaggaaa      120
ttagggcttt aaaaaaatgg aacgtcttcc ccatgccctt ggattgttaa gatttaatat      180
tattgtaaag gcaatactcc ccaaactcat ctacagattt aatacgaccc ctatcaaaat      240
tgcagctgcc tattttgcag aaaatgacaa acatcctaaa cttcatatga aaatgagaga      300
tccagaagag tcaaaacaat cttgaaaaag aacaaagttg gaggactcac acatttcact      360
ttcaaacctt actacaaagc cacagtaatc aagacagtgt agtactggcg taaggacaga      420
catatggact gatggaataa aattgagagc caaaaataaa ctcttaaatg cacattcaac      480
tgatttttga cagggatgcc aagaccattc aatgggaaag aatagtcttt tcaacaaatg      540
gtaatggaaa attggataaa cacgtacata ataatgaagt tggatcccta cctcatacct      600
tatgaaaaag attaactcaa aatggatcag agtattaaat gtaagtgcta aaactaaaca      660
cgggtgtaac ttttcctgtc cttggattag gcaatagttt cttatgacac ccaaagcata      720
agcatccaaa ggaaacaat agagatcttt aaaattaaaa atgtatgtac ttcaaaggac      780
actatcaaga aagtgaaaag acaatccaca g                                      811
```

```
<220>
<221> misc_feature
<222> (5)...(964)
<223> similar to gi3599339 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




     <400> 698
tggaattcaa attaccaacg ttaggcagaa aacaggggtt ctaactatag aacctacaga      60
cattaaaagc ttaataagtg aataatatga acaagtctat ccaaaattca ataacttaaa     120
tgttctaatt gcttgaaaaa cacgaagaag actcaccaac tataaaatag ataatttaag     180
tagtttata  ttaaagaaat ggaattcata gtttaaaaca tgctgaaaag gaaatctcca     240
ggcatagatg tcttccttgg gtaattatac caaacttta  aagatgaaat gacatcagtt     300
ttacataaat tattccagaa aacaaaagtg gagagaacac ttcccagctt attttacaaa     360
gccaacatta tgctgatatc aaagccaaag acagtacaaa gaaggaaaac tatagaccaa     420
ttcttcttct gaacatggac acaaagttta caacaaatat cagtaaatca tagctattaa     480
tacataaaaa gaaagataca ctacaactag gtgtggttta ttcagcaaat gcaaggctgg     540
ttcaatattt gaaaatcaac caatgttatc tgcaattttg acagactaaa gaaaaaataa     600
aacaccacag gatcatatca gttgatgcgg caaaagcatt tgaccagatc aaacatccat     660
ttataataat aactctcaga aaactagagc tagaagaaaa ctttctcaac ctaaaaaacg     720
aggaaccaca aattaactaa agctagcatc acacttgatg gctaaagtct caatgctttt     780
cccctaaaat caggaccaag gcaagtgtgt ctgatctccc cactgctatt caacatagta     840
ctgggaatcc tggccattac aataatgtaa gaaaagaaaa gctatacaaa ttggaaagaa     900
aaaataaatc tatccttatt tgcagattgc atggttgtct agatagaaaa tcccaaggaa     960
tct                                                                    963




     <210> 699
     <211> 860
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (6)...(860)
     <223> similar to gi3002527 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




     <400> 699
tttttttttt gagatggaat ctcgctctgt cgcccaggct ggagtgcagt ggcacgatct      60
caactcactg caagctccgc ctcctgggtt cacaccattc tcctgcctca gcctcctgag     120
tagctgggac tacaggcgcc tgccacaacg cccggctaat tttttgtatt tttagtagag     180
acggggtttc actgtggtct caatctcctg acttcatggt ccgcctgcct cagcctccca     240
aagttctggg attacaggtg tgagccaccg cgcccagccc gtttttaaga tttttttattt    300
gaaaaattgc caattcttta agtgttttct ttttcagatt tatgaatttc tttatctttt     360
aagctatcta taccttactg caatttggta aagcagactt ttgtgaacaa aaattataac     420
atttactttt gctccctacc tgactgccac agaactgggc aactattcat gagtattcat     480
atgtttatgg taattcagtt atttgcacaa gttcagtgag aatctgctgt ctttataatg     540
```

```
ggatatagtt taaaacattg gttatattac caaggctttg attgggatgt tatatttgag      600
aaaatacaga gaatgataga ttaacggagt gtctaatcta tcgtgtcaac cccaaatttt      660
tacgtatgag atcctttagt ccacccaatg gctgacagta acagcatctt taacacaact      720
ctttgttcaa atgtactatg gtctctttta gagtcagact cctagactca cttgttctca      780
ctgtctgttt taatttaacc caggcatgca atgctagata ataaaattgc tccctattgg      840
ctgatcaaaa aaaaaaaaaa                                                   860
```

        <210> 700
        <211> 451
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (15)...(451)
        <223> similar to gi2197085 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 700
```
gcactcggag cgagcacaaa atgattacac aattgctcaa gtaggacttt atcccaggaa       60
tgcacggatg gtttcatatc tgatcaatta gtataataca tcctatcaat ataaggaagg      120
gacaaaaaca agatctcaac aggtgcagaa aatcatttga caaaatccaa tgctcttcat      180
gataaaaaaa aagaacctca acaaactagg aatagaagta aattttgtta acttaacaaa      240
cagcttctgt gaaaaaccta cagttaacat catattccat gataaaagca tgagagtttt      300
gcccccagta tcaggaacaa agcaaggctg cccactcttg tacagcgtac tggaaattcc      360
tgccaggtcc ataatgcaaa aatatgaaat aacaggcata tgattggaaa agaaaaagta      420
aaactatctc tggttgcata caatatggcc t                                     451
```

        <210> 701
        <211> 453
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (24)...(452)
        <223> similar to gi5851985 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 701
```
cctgaggact tctgcacgag cggcaagcag aggccagatg ctccatctgt ctggactacc       60
tgagacaccc aatgaccact gattgcaggc actacatctg aagtgcctgc atccaccaat      120
gctggtaaga attacaggac atctctccct gtcctgtctg cctccagcac tgtcctgaca      180
```

```
agaacctcaa gaggaacttc cagttatgcc acatgaccga tattgctaag cagcttctca     240
ccactgcaag gcgcaaaagg aaactgcagg gagaggagcc cgtgtgcagg aagtcagatg     300
tggccctgtt ctgtgagaag gatcctgagc tactgtgtca ccagtatagg gtctccctcg     360
accactgaga tcacccccga tgcccattga acaagctgca gctaagcaca ggaagcagtt     420
cgagagctac attgaacct tggaaaagca agt                                  453


        <210> 702
        <211> 553
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (232)...(532)
        <223> similar to gi1144514 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 702
aattcggcac gagacctgga atatgatggt gaaccccagg cccctggaat atgacagtga      60
accccagaca cctggaatac aacagtgaac cccagacacc tggaatacga cagtgagccc     120
cagacacctg gaatacaatg gtgaacccca gacacctgga atacgacagt gaacgccaga     180
cacctggaat atgatggtga actccagacc tctggaatat ggtggtgaac cccaggcccc     240
tggaatatga cagtgaaccc cagacacctg gaatacgaca gtgagcccca gacacctgga     300
atacaatggt gaactccaga cacctggaat acaacgatga accccagaca cctggaatac     360
gacagtgaac cccagacacc tggaatatgg tggtgaaccc caggcccctg gaatatgaca     420
gtgaaccccg taaacctgga atacaatggt aaaccctaga cacctggaat acaacgatga     480
accccagaca actggaatat gaaagtgaac gccagacacc tggaatatga tggtgaaccc     540
cagacctctg gaa                                                       553


        <210> 703
        <211> 306
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (288)...(133)
        <223> similar to gi537530 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 703
ttttttttt tttttgtca tcttagaata tttaatcagt tagcactaga tgaaggctgg      60
agtaggagag actgggatag tgggggcaa tgtggggatg gaggcagggc gagggagata     120
```

437

```
aagtcaaact ggtttttttt ttgttttttt tttttttttt tttttttggg agacagagcc      180
ttactctgtc gcccaggctg gagtgcaatg gtgtgatctc agctcactgc aacctctgcc      240
tcctgggttt aatcgattct cctgcctcag cctgggcaac agtgagaccc tgtctcaaaa      300
aaaaaa                                                                 306
```

```
        <210> 704
        <211> 594
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (12)...(594)
        <223> similar to gi216918 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 704
gaacttgtct acgacgccga tggtactgta aggagtgcgc tgagagcgtt actgcctgct       60
gaagaaagta catcgagtta gtatggaagg agctcgaaga aaagtttgga tttaaagtcc      120
tctacattga cactgatggt ctctatgcaa ctatcccagg aggagaaagt gaggaaataa      180
agaaaaaggc tctagaattt gtaaaataca taaattcaaa gctccctgga ctgctagagc      240
ttgaatatga agggttttat aagaggggat tcttcgttac gaagaagagg tatgcagtaa      300
tagatgaaga aggaaaagtc attactcgtg gtttagagat agttaggaga gattggagtg      360
aaattgcaaa agaaactcaa gctagagttt tggagacaat actaaaacac ggagatgttg      420
aagaagctgt gagaatagta aaagaagtaa tacaaagctt gccaattatg aaattccacc      480
agagaagctc gcaatatatg agcagataac aagmccatta catgagtata agggccgata      540
ggtcctcacg tgctgttgca aagaaactag ctgctaaagg dgttaaaata aggc           594
```

```
        <210> 705
        <211> 421
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (13)...(422)
        <223> similar to gi3327206 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 705
tggtatgtta ggcctccaaa tccattttat aggtcattat acccaaacat tatccaggat       60
ttagatacta tagaatccac ctagcggtgt gggcgacgca gcttgcagag gattcaatac      120
cactctgaaa atagtaaagg tgtctatggt ttacagtacg atgatgaaaa aattatcagt      180
```

```
ggcctacaag ataattaaga tttgggataa aaccagcctg gaatgtttga aagtgttaat    240
ggccacacag gttctgtcct ctatctgcag taggatgagc gtgtcattgt aactggctct    300
tcggattcta cggtgagagt gtgggaagtg aacacgggtg aagttcttaa cacattaatc    360
caccacaatg aggatgtact gcacttacgc ttcagcagtg gactgatggt gacctgttcc    420
a                                                                     421
```

<210> 706
<211> 1194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (996)...(344)
<223> similar to gi3002588 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 706

```
ctttgtggca tcaaatcatt atgtttgtat gtttggaagg ccacgccatc tatcctccca     60
cccagggcag gaatttctgc tcccactttt gctttcctgg aggtgaaata ggaagaacaa    120
ggacccatgc tcaagtcccc aaagaatggc aggatgccct cagtggaggc agactgtatt    180
taaatgcaat tcacctcttt ggggtctagg aaaagccacc cgtaggttca tttgctggga    240
aacacggtct gcgtgcctga ggcagtggac accagggttg tggccttgcc aagagctgac    300
tttctccgga ggtctgtctg ctgtccggag tggcagccac ttcggtgggc aaataggacg    360
gtcatctctg ggcccaagga cgctgcttca ggctgggacg ccttgagggt ggctggctgt    420
tcaggctttc cggaggtggg atgggaggtg taatgtttgg tgggaggagg ctgtaattc    480
tgaaatctca cggttttgac ttgcttttcg atgccatttc ttgagttttc tggtttcacc    540
aggatggatg gtggggcaga tgcggcggt tttggcagag gctcactctt gatggggatt    600
tctttgtctt ccataatgag ggagctggcc gcggagtgga tccgggcctc actgcccctg    660
ctgatgcacg tgagggcggg ctcccccgtg agggcaggct tggaccccat ctccaccacc    720
acggctgagg gggaggaggg gatcccctgt ggctggtaga attggaactg ctgaggccga    780
aggaccatgg tggggctgcg tctgagggag cctaccacga gagtggggat cccggactgg    840
aggggtctct gcagggatcc attctttctc atgctgctcc gcccttttccg aagagaccct    900
tgtcctaaag tcccagggcc ggctgtgctt ctcacggggt tgactatggc agtgggcaca    960
aagacggatt tgaagggacg gctttgccgt ggatcacctt ctgaaatgct gccttgggag   1020
gacacagagg aggtggataa cgtccatgtg gtgtagagac cagggctccg ggagtctgga   1080
aaactagagg tctttctgaa aatggggatg acggtaattt ggtttgcaaa gaatgccgac   1140
ttcgccccgt tggaccaagg gggacggccc cctggaggcc agaccgggcc ctgg         1194
```

<210> 707
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(769)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (29)...(768)
<223> similar to gi530876 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 707
gacagagcgc tggaattccc ggaggaaggt ggcccgctgg aacaggtgag gaccccgccc   60
gggacgcggg agagcggtcg ctctggccgg ggcctccccg cgccccagtc tcgagtttcc   120
tgacgccccc ggcccagggc tgcagcggct ccacccacgg ctccagccct ggcgctgggc   180
ttagagtgtg ttccccaccc gaaccccacc agctgttgca gacctcacag tccagtcccg   240
gagtcagata gtacgaggaa aaagtttcta ttgcagccgc acagcgaaga aacgctctca   300
gccccttccc cttgagcgcc tgggtcgtcg ttgagcccca ctcctgctcc ctcgtncact   360
cccgctccct cgtccgctcc caaaccccac tctctgtcct gatgtggagg aaagctgccg   420
ctggacttcg ggtttccaga atgaggcccc aaacagggtg actccagagc tagttgaaat   480
tcagcactta actgtgctct ttgggtaaac ctgggcgcct tccagaaagc atgtttctcc   540
ccaaaaccca gttctttccc tttccttatt cctctgccca gtttcagaga tcacaagggg   600
gtcatctgag tcaggaagta aatggtcagt tctctgccgc agccacccca ttgttcacat   660
ttaaaacgcg gcttgggccc atccagcaag tattagaact tgaaggcact tttatcatct   720
tgtatgatcc tggtgatttg gactgacttg gatctgcggc ttgatgct   768

<210> 708
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(447)
<223> similar to gi854065 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 708
tggggcatgg gaatggattc tttatcctgc cccagcccac caggatgctg gttaggctcc   60
ccctagccct tgccgacctc tccctcctag gcccttgcag tcccgtttat ttctcccata   120
cagccttgtg acaccgaggt aaaagtgtat gtgtgtgcac agggccatgt gtgcgagcac   180
gtgtgcattc ctgcatatgt gtgctgcgtc cgtgacatgc atgtgcagga gtgcagtatc   240
cactgccgtg tgtgtgcatg tgtgcacatg cccctggcct tgtgtgtatg aacttgtggg   300
gcttgtgcat gtgtatgtgc aagcgtccac gtgtgtgcgt gtgtggggtg ccccatcctg   360
gggaaggtgt atctgcagga tgctcgtgct aggaagctca gggccatcat tttccaaccc   420
ggctcaagcc ggggaattcc accacgc   447

440

<210> 709
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (219)...(822)
<223> similar to gi3875920 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 709
tttttttttgc tgttggttgc cttactttaa tgctgaccta gcagccccga caggaagctt   60
taacataaag ccttgaccct gagaagcatg ggtgcgtctt gtcgtgagca ggttcatggc   120
tgtgctccat cctcagcccg ctgattttttg gtcttttgtc ctttgatcca gcagttccca   180
cgtggatgtt gtactgcttc tgtccttgat gttgatgccg tgggcagtca ggccccggcg   240
cagggtgtcg catgcttcca gcaggggctg cctttctagg agctgctgcc gccgggcgtc   300
ccccgtggcc tcgggcatgg ccagcgcaaa ctgccggacc ttctgccgga accgcaccag   360
ctcgtccacc acaccatgca aggtagcctc gctgccgtct cctgaaacgt actgttgatt   420
tgccagagaa attccaacag tttcaaaaaa ctgttcaaag taagagatga tggcaccaaa   480
cacagcagga cttctcggcc cttcaggttc cttcagggac gccctgagct gtccattccc   540
gtggtgtgca aggcccagga tggcatcaac caccctgggt gtgtcaaagt catctgccaa   600
ggccgccttc acggccctct tggtgctgga gagcctgagg gaagaggaga gaacagtcac   660
agcagaggga gctccactct ccccaggcgg cccccacacc agtccttccc cagggagaga   720
cgctgggggc tctaatctgg ggactttctc taggtcatat tcccaaagac ttgagttcct   780
gagtagcaga aaattatgta acatcaactg caaactgtca tg   822

<210> 710
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(418)
<223> similar to gi286009 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 710
gtaataatca tatcaggaat tatcagttca ttgcctagca caggaaatga caaacatgaa   60
aggaaggtcc tgttgtattc actaagcccc agagatcctg tatatctact atgagaaatc   120
attgaagttc tgcaaaaagg agatggaaat gcacacagta ataaaggtac agaaatctgc   180
agatatgagc tcctagaatc catttctcta gctttgttaa gcttcctgca aggacatgcc   240
caagaggtgg tgctagataa gtccgcgtgt gttggtatct gacattctgg gatctgccac   300
tggagatgtt cagcccgcca tgaatgccat tgccagcttg gcagcagtgg aactgcaacc   360

441

<210> 711
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (498)...(769)
<223> similar to gi2055431 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 711
accctgtctc tacaaaaaca tttttaaaa acttagccag gcatgatgac acacacctat   60
agtcctagct attcaggagg ctgaggctag aggatcactt gaggccagga atttgaagtt   120
gcagtgagct atgatcatgc cttgccactg cattccagcc tgagtgacag agtgcgaccc   180
tgtctctaaa aaacaaaagg aaagtgtgtt acctgtagga actgtgaatt cagtgggttt   240
tgctggtggt tctgatcctg tggggccagg atatttcgaa ttaccttgta agtgacttgg   300
aatttttcat cagcactaag tcagcctttg attttatttg acatagtttt cggtgtgtgt   360
attgctcttg gcagttggtg tcactaggtg tcctaccgta gaagtgtccg gtaccctgaa   420
gacacccatg ccactgttgt gtttgatatt gacgccacat atagacagga gtccaccact   480
gtgttccatt tcacaggtac gctacgggcc atgacatcac agagcactct gtgctgatcc   540
acgagtacta cagccgagag gcccccaacc ccatccacct cactgtggga cacaagtctc   600
cagaacgggc cgcatgaggc atcaaagcct tacggtcagc acttttaatg gggagttcct   660
ggggagggac ctgggggagt gatgtttcaa ggctttgaa agtgaattag ggttattagg   720
acattgaagg cttngggttg aactgatcat ggaggactgt tttaggcca   769

<210> 712
<211> 797
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(798)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (27)...(800)

<230> similar to gi4558641 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

<400> 712

```
ctcactcact cctgcttggc acgagggtcc gagatgcttc tagcaagatc cagggcgagt    60
acacgctgac cctcaggaaa ggcgggaaca ataagctgag cagggtcttc caccgagatg   120
ggcactatgg cttctcagag ccactcacct tctgctccgt tgtggacctc atcaatcact   180
accgccacga gtctctggcc cagtacaatg ccaagctgga cacacggctc ctctaccctg   240
tgtccaaata ccagcaggtc cgtgctggcc tgggagccag ggagggtagc acctggctgg   300
ccccaggcct cagtttccta ggtagacccg accaggctat gcatctcccc tcattccgcc   360
acgtatctcc aggaccagat tgtcaaggag gacagcgtgg aggcagtggg cgcccagctt   420
aaggtctatc accagcagta ccaggacaag agccgcgagt atgaccagct ttatgaagag   480
tacacacgga cctcccagga gctgcagatg aagcgtactg caattgaggc cttcaatgag   540
actatcaaga tctttgaaga gcagggccag actcaagaga aatgcagcaa ggaatacctg   600
gagcgcttcc ggcgtgaggg caaccgacga aagagatgca aaggatcctg ctgaactccg   660
agcggctcaa gtcccgcatt gcccgagatc catgagagcc ngcaccgaag ctgggagcag   720
cagctgctgg tgcccagggc ttcggacaac aagagagatt cgacaagccg cattgaacaa   780
gcctcaagcc ggacctc                                                  797
```


<210> 713
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(411)
<223> similar to gi1542813 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

<400> 713

```
tacgcctcgc ttggcacgag gggtggcgac cctgccccag gctgtggggc ccctgcagct    60
gttggcagcc gggccaggca gccctgtgaa ggtggcagct gcagcaggcc ctgccaatgt   120
gcacctcatc aactccgggg tgggcgtgac tgccctgcag ctgccttcgg ccactgcccc   180
aggtaccccc atctccctcc ctcaggccta ggtgagagcc ggggaggggt gcagtcatct   240
cggagaggga ggggctgtcc ctgggctcct ggagggcatc tcatccctgg caagtcccag   300
tgccccaagg cccaccacaa ggctccctcc gcccgccctc cagctgcaca gactccactt   360
ctctctggct tggcctgctc tcctggctct cacctgcgct cggtccctct t             411
```


<210> 714
<211> 1390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (210)...(1347)
<223> similar to gi177179 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 714
tttttttttt ttgtgggaga tgttttattg gctttcactt tcctcaggga gccagcggct   60
cccccagcag gtccccacgg tggagccgag tgagctggga gggatgggtg cttacttcgt   120
ttcaaagaga tctacatatc tacagagagg atggagacca gaaaggaatt gggaaatgga   180
atcatgaggg ctgggccctc atccccaccc cacccagccc accccctaa cccaacgcat   240
cagaaacaga cttcacagga tgcacagagg gaagccagag gtgtggggcg ggcccggggg   300
gccggggctg cgaggacct caagggcgaa tgccactggc ctgtccaaac caggcaggag   360
agaaagtaag aggaggaaaa caattgagaa cataacgatt gtgtcttcgt cagccgttcc   420
ccccgacgcc tyctggaaaa cggttwtttc gttttgagt aagggcaaga agtgtcctgc   480
tcaagccacc cctccgctca gggaaggcca ctgcccggcv aagccttgtc tttgagggcg   540
gtgccttccc tgggcagaga ggggctgccc cggccctggg gctccatggc agggcacaaa   600
aggagaggca gagccccaga gagggaaggg ggctcctggg gccaggctgc tgagaggaaa   660
taattgcctc tttctgggtg aggaagagct gccttcctga tggctggtgt cctgggatgt   720
ggggcatttc tctggggtag ccattgacgt catttcctta gcagcaggag agcgggtgag   780
aattcccagg agacctcagc ctgggtgggc gcttggtgga aagtgggctc agatgaggtc   840
ttcagatggc agcagtaggc tctggctgct tggggtccac caggagctgg gccaggcctc   900
ctgggtcctg ctgagaagca ggtaggggag gtgacctgca gctctgtctc ccttggggat   960
ctcagttcct gttgagactc acagcctgaa gacctctgtc ctcaggtct ctcctcatca   1020
cacaagatgg ggagactgag gcccaggggt gggaagggcc agccaagtct catggggaac   1080
tcgggggttt tcaacccctg ggccatggct ctgcccaccc tgacgagccc cgggctgcct   1140
ccgttcactg ccgcttgctg gccctgtttc tggctgagca ctgggtctat acatttccgc   1200
gttgcctctc ccacggcagg gggactgcga catggcctct ccctctcccc gtgcctccct   1260
ctgccaccaa aaagctggtc agggcggagc atcccaaggg ccctgatgcc cctgaaagtc   1320
tcccttctag ggggcagccg gtccatcttc agggagctca gcacgtgtct cagcctaggc   1380
agacgcttgg   1390

<210> 715
<211> 956
<212> DNA
<213> Homo sapiens
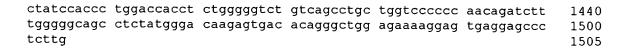
<220>
<221> misc_feature
<222> (28)...(944)
<223> similar to gi1032389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 715
cctcaaaggg ccccactgca ggattttggc tcctcaaagg tcgtgaaccc gaaaggctca   60
tccccggggg cttagtcaaa gcccccaatg gggaggggcc cccacaagaa aggctggagg   120

```
ggcccttttag ggggtggggtt tcccctgaaa agcccgcctc tcccccaaag gaaatttcc     180
cctaaataaa aaaaacagcc ctgggcgcca aaacgcccac cttggtgtca agggttattt     240
gggggggggg gaaaaagggg ccttttttgg gttttttttt tgagccccca aaaaaaaaag     300
aaagggaaag gggtcttacc ccaggcaagc ggccacccc ggcaggaggg tcccccggca     360
ggagcgtccc agccactccg cagtcactcc tgacccagaa aagaacaacc acagctgggc     420
ccagcacccc gggccactcc ctgcagctgc ccacacatct ggcagctggg tccacttatg     480
caatgtggat cgggcttctt acatctgaaa tctgcgtctc tatccctcct ctgagaccag     540
tgtctcctgc cagcttccat ggccccggga tgacctcact ctcccagggt ctccctgcgt     600
cctgggagct ctggccgagg agcagcaggg gctgatggca gagcgggggc aggtcagagc     660
tcagcagatg gggtcctgaa tacacggggg atgtgggagg ggccagggggg ctgggatgc     720
ccaggatttg gcacgggggt ctctgtgtcc cacccactcc tggcacaaaa gccccagcct     780
caggaccccg gtcacaggca cccgggggtg ggggtgacca gcagcagttc agaggcaggt     840
gtgggcaatg tgggcctgag tctcctcccc actcacgtca ctgcccgcgg ggacacagcg     900
gcatttctgg ggcactcggc atgccgggtt cgctcgttcc acgcgaggcg tattga        956
```

<400> 716
```
atcatcatta ctccttgctt ggcacgaggc cagaaggagg gaattctgct gcggcgactt      60
gactttccag gcccggagca gaaaggcatt ggcatttgta ggcggtgacc cgcccctct      120
ctggccttgc caagagtcac atccctgccc aggggcacct ctggccctgg aacttgcctg     180
ggcagaggca gcgtgaaggg cctgaacaag aggagaagaa gggccttcct agtagaggca     240
cagcatggac aaaaggctcac aggggtgggg gtgcccagtg atcgagtcct ggcttgggaa     300
ggaaggtctg agttccctag gaactgaaat ctgctagcag cactgtgaga gaggtgtatt     360
tccccctcct aatgacagag gaaactgagg cttcagggag gggtggattt gcccttgaca     420
tgcagatagg aggaggagga actgcgtgtg cccctgggcc tgcaggcccc cacaccctc      480
cccagtcttc ttcaagacct ggcatggtgg gaggagggag ggggaagtgg agaggggagc     540
ataggctcc tggggcacca agggagagag gggcccaggg gtagggaatc taggaatgtc     600
gctttccttg gagcagtacg gaaagtcaca gggaagatca ggaggatgga cagctgagat     660
gggagacagg agagatgagc cccaggaccc ctggggagcc aagctgtccc ccacatccta     720
gcctctcacc ccacctggag cttcaccaag ggctcctcag cagtgaagtg gcacaagcct     780
cccagtttgg tgggcaagtg ggggtgatct tggtgttgtg gctcctggag acacgacata     840
accaggaggg tgaagggata aacctggggt gggctggggc tgaaacccat ggcatgaccc     900
caattctctc tcctcaagct cgaccccca tccccaggat cacacaggag aatctcatcc     960
tcacggcttg gattgctcct ggggggcccc tggtgtgctg ctaactggtg tacaatgctc    1020
aggagcagcc cagaggggag ccgggaaggg accctcgccc ttaccatcta tccccatttc    1080
cgcatctctt gcactggtac cccgggcgcc acgttctcag ttcctgggac tgaaaactgc    1140
agcagtctgg ccagctccag ggacagagag gcccagccac ctactatgta ccctcctcag    1200
ctgcccactg gactcaggtc ctgaatgaag ctgtccgcct gcctcatgcc aaaagcggct    1260
ggacagtggc tgcctcatga cccttgcagt ctcccacatc cagggcctga tgacatgccc    1320
ccttgtccca agtttcttgg gaacccctga ccctgctggc ccctctcata caccccaacc    1380
```

445

```
ctatccaccc tggaccacct ctgggggtct gtcagcctgc tggtcccccc aacagatctt    1440
tgggggcagc ctctatggga caagagtgac acagggctgg agaaaggag tgaggagccc     1500
tcttg                                                                1505
```

```
          <400> 717
tcttacgaat tcgccacgag atgagaccag gagtggccac atgttaggca caataggttt    60
taagccaaga atggttatga gagacaaggg aattctatac tgataaaaag tttaatccaa    120
caagaaaata taataattta aaacatatgt gcctaacaac agagcatcaa aacatatgaa    180
gtaaaaaagg atagaattaa agggagaaat agagtttcag gatgatcatt ggagacctca    240
ctacctcaat gttaataata cagagaccag atcaatagga aagagagcac ttgaacaaca    300
tgataatcca attagatcta atggtcatat gcagacacca acccaacaac agcaaaatac    360
acattctttt caagagcgtg tgggatattg tccagagtat acagtgtatt aggctgcaaa    420
acaagtatta atgttttaaa agattgaaag tatccaaagt gctaagtatt ttataatcgt    480
catggaatga aactagacat cagtaaccag caaaactcga aaactcacaa atatatggaa    540
agtaaacaca ctcttaaaca atcactggtt gaagatgaaa tcatacagga aattagaaaa    600
cactttgaga tgaataaaaa tgaaaacaca acataccaga atttatggga tgcagttaaa    660
gcagtgctca gagggaaatg tatagctgta agcatctacc tttaa                    705
```

```
          <400> 718
cgaattcggc acgaggttgc acagaggaga ggcgccctaa gaatgtaagc attgtgggaa    60
agcattcata tctgccaaga tcgtttgaat acatgcaaaa cacacactgg agagaaacct    120
```

```
atgaatgtaa ggaatgcaaa caagcattca attatttttc ttccttgcat atacatgaaa    180
ggactcatac gagagagaat ccgtatgaat gtaaggattg tgggaaagca ttcagcttgc    240
ttaattgctt tcatagacat gtaaagacac accagaagga aaccctatga atgtaagcaa    300
tgtggcaaaa gctttcactt cttccagttc tttcaatat catgaaagga ctcacactgg     360
ggagaaaccg tatcaatgta agcaatgtgg gaaagccgtc agatcagcct caagacttca    420
aatgcatgga agcactcaca cttggcagaa actctatgaa tgtaagcagt atgggaaagc    480
cttcagatcg gctaggattc tttgaataca aataatgaat gtaaacaatt aactgtttat    540
aataactgta tactaacaaa tgttattctt tttaaataat taagaagcta taataaaata    600
tccattggtg tcatgtatta gatccaa                                        627
```

```
<210> 719
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (194)...(620)
<223> similar to gi4972116 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 719
tggcaacaga gcgagactcc atctcaaaat aaataataaa ataaaatggt ttcctcctgt     60
tttcagtaga gatggagatg aatccatccc ttttttccta tagtaattcc atccattctg    120
tcaggaggaa taggtattgg aagcctgttg agcatccagg ggatcaaggg gtgttagaca    180
agtggattct tatctttctc ccttctgttc tttctcctta ggaccagctt tatccaggga    240
ctctaccatt cccacccctt tggccccact ccacgacaac cacttcccca tcttctcctc    300
tattctggtc tcccctgccc ccacgccttc ccacccagcg tcttccccag gttcccccac    360
tacctctccc tcagatccag gccctcagct cagcatgggt ggttctccct ccaggaaagg    420
gggaggaggg accaggacct gagttgcata gcggctgcct ggatgggctt agaagccttt    480
ttgagggacc tccctgcccc tatcctgggg cttggatacc tttccaagtc cctggaactg    540
cccacccttc ccctgccacc ccgtcaggag atcctagtat ggaggaacat ctgtctgtca    600
tgtatgagag actgagacaa gagcttccca agctcttact tcagtcccac gactacagtc    660
tgtattcctt ggatgtggaa ttcatcgaat gagagcctta acatacgtac caaggg        716
```

```
<210> 720
<211> 1139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(1137)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
            <400> 720
gggaaatctt cccagtgggc agaacttcaa gcagtgtacc tggttgtgca ctttgagtgg      60
aaggagaaat gaccagatgt gtgattgtat tcagattcac gggctgtagc cagtggcttg     120
gctggatggt ccgggacttg gaagaagcat gattggaaaa ttggtgatga agaaatttgg     180
ggaacaggta tgtggatgga cctctttaag tggtcaaaaa ctgtgaagat atttgcatct     240
cacgtgagtg ctcaccaacg ggtgatccca gcagaggagg attttaataa tcaagtggat     300
aggatgaccc gttctgtgga caccttcagc ctctttcccc agccacttct gtcatcatgc     360
aatgcgcctg tgaacaaaat ggccatagtg gcagggatgg agtttatgca tgggctcagc     420
aacatggact tccactcacc aaggctgacc tggctacggc cactgctgag tgcccagttt     480
gtcaagcagc agagactaac accaagccct tcgatattgg gcaccattcc ttggtgtgat     540
cagccagcta cctggtggca ggttgattat attggacttc ttccatcatg gaaacggcag     600
tggtttgtcc tcactggaat agacacttac tccggatatg ggtttgccta tcctgcacga     660
aatgcttctg ccaagactac catccgtgga gtctcggaat gccttatcca ccatcatggt     720
attccacaca gcactgcctc tgaccaaggc actcacttta cagctaaaga ggtgtggcag     780
tgggcttatg ctcatggaat tcactggtct taccatgttc tccatcatcc tgaagaggct     840
gcaaagaacg gtggaatggc cttttgaagt cacaattaca atgccaacta ggtgacaaca     900
ctttgcaggg ctgaggcaaa gttctccagc aggccgtata tgttctgaat tagcatccaa     960
tatacggtac tgtttctccc atagccagga ttcacggtcc aggaatcaag gggtgaaact    1020
gaactgacac cactcaccat caccctagt gatcccctag caaaattttt gcttcctgtt    1080
cccccgacat tacattctgc tggcctggag atcttagttc cagagggaga aatacgaaa    1139


            <210> 721
            <211> 1112
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (69)...(960)
            <223> similar to gi5305335 in the genepept database release 114,
                Run with FASTXY 3.3t00, default parameters


            <400> 721
cccgatggcc gtaaagcatg gggtggggg gtgcctgcct gcattgcagc tgtcagagct      60
gcacagagcc tgcgacaccc agccatggct tctgcccacc aggccacgtc cctccgctcc     120
tctgaatcct tccagttctt cttaggccac ttaaacgcca ccgtctccac gaagtcctgt     180
cggatcaccc tcataggaag tgacaaacca cgttttgaac ccctctcccc acccagcaag     240
cccctagccc gcgagcatag gatttccttt ctagaacacg tgttctgtga agggccagag     300
gcaatatttg aggcctcgtg ggccacatgc tgtccctgtt gcatatcctt tttttgtttt     360
ggtttggtaa actgcttaag ctggcagaac aacagaaccc gcacattctc cacgcagccc     420
agcgcccttg gccatgcagg gctgtgcctt ctgccagctc tggaggccca ggggctggca     480
tgggcctccc gtcctgagcc ccccatgtac attgcaccca tactgggaac gcccccagga     540
tctgctgcga gaccccaag gaccagcttc tgcagtcctg gaagggctct cctgaccccc     600
aagtccgcca tcttctgatg gtggcaggtg ggcacagtca ctggctgagc gaccaagggt     660
cagtgagatt actaggccgg cgctgcaccc aactgaaatg aactcacgtg tcctcacaac     720
tcctagcagc agatgctgtc ggcctcgcat cctacaggaa aggaaccatc gccaaaagac     780
gctgaggaac atcccgaggg tcacagggac agtgcagagc caggaccagc ccggcccatg     840
```

448

```
gtcccccagc gtgcaccacc tggcccggca ctgtgtgctc agccatgagg actgggaaga    900
gtcctgccca cagctcaagt gtctacaccg cactgccatc caggctgtga gccgctgctg    960
agcatgggga atgtggctgc tgcagagacg ttatgaaaca cttctaaaag aatgtaaaag   1020
atctcattaa taattttgag tacctgttaa aatgatagta attttggatc tagtagatta   1080
aataaaacat attattaaac ttaaaaaaaa aa                                  1112
```

<210> 722
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(681)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 722
```
gcggatgtcc ccggggcaca gcgagcggtt cctggtgacg gcccagagcc ccgggacccc     60
ctggactgtt gggcctgcgc tgttcttgta acagcccaga atctgctggg ggctgccttc    120
aatcttctcc tgctggtgct ggtgctaggg accatcttgc tacccgctgt caccatgctg    180
ggcttcggct tcctctgcca ctctcagttc ctgcgctccc aggcacccc ttgcaccgcg    240
cacctgcggg accccggttt cacggcccta ctggtcaccg gattcctgct cctcgtgccg    300
ctgctcgtgc ttgctctggc cagctaccgc cgcctctgcc tgcgcctccg cctagccgat    360
tgcctcgtgc cctacagccg agcccttat cggcgtcggc gcgccccgca gccgcggcaa    420
atccgggcct caccagggtc ccaggccgtt cccacatcag gaaaggtctg ggtctaatga    480
ccctcgagtc aagaacaacc ctgacgggct gccctcccct cttaattcgg ccccaaggac    540
ttgaagcccg gcatcttccc gaccctgccc tgcccccac ccctgcctga gcggagtcct    600
agcatcccct tgggagcagc agcgtcagtg gaccccagtg ctgagaaaag ccccccacat    660
cccggaaaac ccactttcct ttcacgabcc cacatctcaa tcctgaacat ctaggctgga    720
acctgcacac kctcccctc agctccgtcg tgaatgggac aacaatctcg tgccctcgtt    780
ttatggtgca gcttctctag tatttctggg gctgggggc ggggctggag gggaaggagt    840
gtccacgcat caataaagat ttaacgaact gaacgcgcaa a                        881
```

<210> 723
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (264)...(514)
<223> similar to gi5578958 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

449

<400> 723

```
ccttaccctc catgatgtgt ccctgtgtgt gtgtctacag acagggaaat aggggtgaag       60
atgaaaagtt gaagcagtga tacagcctgg tcagaagttg ttgtttgtgt ccgtgtggaa      120
catgcctggg gaagtaggaa aagagcaaag agggacaaaa atgtctgtag ttgtatactt      180
gtatatgtaa gcacatagag ggggagaagg accataaaga atgtgtggtg aagcactctg      240
gtggagaggg gctcatgaga agtgataccg agagcagtga agctggagat cctgagagag      300
cccacctgtg ctaagtgggg tgggtggatg gacagggtga gcaggcctgt gcaccagtcg      360
gagaaccagc tcatcagccc agtcttgcca cttccctttg cccacagaag acgtgcgatg      420
ggacacatta tccctatgcc gaatgccatg tcagaccgag gacccagcag agctcatgct      480
ggagaattat gacaccatgt atcttttgga cc                                   512
```

<210> 724
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (150)...(402)
<223> similar to gi804810 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 724

```
cccagaatct aatcaatgcc acgtccacat gaattcccaa ggcacatcac ctgaatctct       60
ctagtggtct tcgctataca ctgacttacc cgttcctatt tacaacttat ggcccttgct      120
gaattattgg cattttaaag tagtgactag tcctagccac agcacccaga caagagaaag      180
aaaaaaaggc atccaaattg attaagagga agtcaaactt gctgttcgcc gatgatataa      240
tcatatacct agaaagccct aaagacttac ccaaaaagcc cctagatctg acaaataaat      300
tcagtaaagt ttcaagatac aaaattaatg tacacaaatc agtagcattg ctatatacca      360
ccatcggcta agctgagaat caaatcaaga actcaacctc tt                        402
```

<210> 725
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(355)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 725
```
aagaaaggac agaagccata tgatcatctc aatatatgca ggagaagcat ttgataaaat     60
ccagccccct ttcttgactt aaaacgttca acaaactagg aatagaagag aatttcaacc    120
tgataaagga catctatgaa aaacctacaa gtaacaccat actcagtggt gaaatacagg    180
aataaggatg tttttctta ccacttctgt ttaacattgt actggagatt ttagccaggc    240
agttaggcaa gaaaaataag caaaaggcat ccaggttaga aaggaagacg tgaaactatt    300
tctaagggat gttatctggt ttatagaaaa tccataggaa tctactaaaa aacagaacag    360
aagaaaacac taag                                                       374
```

<210> 726
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(641)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (640)...(25)
<223> similar to gi37193 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 726
```
gtgttgaaaa agacaaatac taacatgctg catctttcat cagaacagaa tctgaagcct     60
cactgggtgg accaattcct gctctgtttt ctgcactgac acggaattcg taggtgcttc    120
cttcttgcag tcctgttact ttgcacctga gatcggaaac tggtgttttt attgctctca    180
cccatcgcag gctttttctt tctctccttt ctacatgata tcctgtaatt tcgctgccac    240
catcatccac tggcctttc cagctgacag tggcagtgtt cttagtgaca tttgatacct    300
ctggttttt aggagggcca gggggacctg aaaaggaagc aaatttatta gaaatccatg    360
atttcctaaa ctctgctata aatgtttcca tgtcaattcc ctcacatgct ctacatacca    420
aatctgtcta ccattttgac aggatcagac tgtacaggtt ctcctttgcc atagtggttt    480
acagctgaga cccggaagat gtactcattt ccttggataa gtttggttgc cacatgcctg    540
caagactgaa tatcttcaga aaccactgtc cacaaaagtc ggctggtttc tctcttttca    600
agtatatagg acttaattgg ngagccgcca tcttccaagg                          640
```

<210> 727
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 727
gaggaaaagg cacaggctaa cctctcccct tctccagtat ctcagattca gctgggcagc   60
tggcagtcac agaggtagca acaaggcctc tggtccagga cttactgaac catgatgtaa   120
gtagagtttg ggtggactta gcttggggta gccagacatg cttcagaagc agaccctgtg   180
caaaatcttc cttctggtct tgagcaacca tacctatctc tggctgcttt aggactgcta   240
catcctggac caaagtggaa ccaaaatcta cgtgtggaaa ggaaaaggag ccacaaaggc   300
tgaaaaacag gcagccatgt ctaaagcgct ggtaggagct acagatgtgc aatactgttc   360
aaataattct gctaagagca cttcaggtgt gtcactccac agagccatgc taggtatttg   420
agcatataac attgtgctta cgtacacgga ctgc   454

<210> 728
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 728
ttggagggct ggggcaaaat tctccagaag gccttgtatg ctgctgaatc aacattcagt   60
atatgttact ttctcccatt gccaggattc aaggttcctg aaatcaaggg gtggaagtga   120
aagtggcaca actcaacatc acccttagtg atccactagc aaaaattttg cttcctcttc   180
ctgcaacatt acgttctgct ggcctagagg tcttggttcc aaagggagga atgctgccac   240
caggagacac aacaatgatt ccattaaact ggaagttaag tttgccacct ggacactttg   300
agctcctcct acctttaagt caaaaggcta agaagggact tatagtgttg gctggagg   358

<210> 729
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
cagctgtggt gtcctctaca ccatctgtgg tcatgtgaac agtagcacaa ggtgtatcta    60
catcagcaat caaaatggca tcaaccagac ttccttcccc caaaagctta gtgagtgccc   120
caactcagat tcttgcacag ttccctaaac aacatcaaca gtctcctaag cagcagttat   180
atcaagtgca acagcagaca cagcaacaag tggcccagcc ttctccagta tctcatcagc   240
aacagcctca gcagtctcct ttgccacctg gtattaaacc taccatccaa atcaaacagg   300
agtcaggtgt taaaatcatc acacaacagg ttcaaccaag taaaatctta cccaaaccag   360
tgacagcaac tctacccacc agtagcaatt cccctattat ggtggttagc agtaatggtg   420
caattatgac aactaaactg gtaaccactc ctactggcac acaagcaacc tatacccggc   480
caacagtgag cccatccatt ggtcggatgg ctgcaacccc tggagctgca acctatgtga   540
aaactacgag tggtagcatc attacagtag tacccaaatc attagctacc ttggggggca   600
agataattag cagtaatata gtttctggaa cgactaccaa aatcactaca atcccaatga   660
cttccaagcc caacgtgatt gttgtacaaa agactacagg aaaaggaacg accattca    718
```

```
tcaacaccca ctggtgtaag gtcataacgc attggtgtca ggtcatcacg cactggtgcc    60
aggtcatcgt gcactggtgt caggtcattg cgcgctggtg tcaggtcatg atgcactggt   120
gtcaggtcat caagcactgg tgccaggtca tcacacactg gtgtcaggtc atcacgcact   180
ggttccaggt catcacgcac aggtcttcac acactggtgc caggtcatca cacactggtg   240
ccaggtcatg cactcaggct tgggcgggat ggggcagca ctcccttttg agtccaggtg   300
gcctggctct ggaattcatg ctctaaaatc ccaag   335
```

453

<400> 731

```
gtatctattg tccgtcgctg tacaacgtgc gagactggca aaaacctggc gataggcatc      60
atatgcggat tgaactgtag actcacctgg ggactcacct ggggactcac ctggtgactc     120
acatggggac ccacctgggg actcacctgg ggaccacctg gggactcacc tggggactca     180
cctggtgact cacctgggga cccacctggg gatccacctg gggacccacc tggggactca     240
cctggggacc ctcctggaaa ctcacctgtg ggtgcagggg cttcactggc tccagcacct     300
cctgtctcag gggcggaggg ggcctgtctg tccgcttctg ggatttcatc tccactgtca     360
aaatcgaact gttctccctc ttcctcttca ttattattgg tatcatattt catttcattt     420
tctaaaaaga aaagccaaac ccacatcaag gagagat                              457
```

<210> 732
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(478)
<223> similar to gi1786219 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 732

```
ccgcctttga ggggttaatt ccggtggttc acccgacggc gtttgtccat cccagtgccg      60
tcttgattgg cgatgtgatt gtgggagccg gtgtctacat cggcccactc gcctcactgc     120
gtggtgacta cgggcggttg atcgtgcaag cgggagccaa tattcaggat ggctgcatta     180
tgcatggcta ctgcgacact gacactatcg ttggggaaaa cggccatatc gggcacggag     240
cgatcctgca tggttgtttg attggtcgcg atgcattggt cgggatgaac agcgtgatta     300
tggatggcgc ggtcattggc gaagagagca ttgttgccgc catgagcttt gtcaaagcgg     360
gctttcgcgg cgagaaacgc cagttgttga tgggtacgcc agcccgcgct gtacgcaatg     420
ttagtcaagg cgagtaactt gtggtaacgg cagggtttta ccagtcatca ggatctccgg     480
gtacggaca                                                            489
```

<210> 733
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = a,t,c or g

454

<220>
<221> misc_feature
<222> (6)...(483)
<223> similar to gi2072964 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 733
gatctgccag agcaattaga caagggaaaa agagtggagg actcagatga aaggaagaag   60
taaagttgca tttgcatatg atatcctctt gtatgtagaa tattctgagg aattcacagc   120
aaaactacta gactaataaa caggttgagc aaggttacag ggcacaagat cggtatacaa   180
aaatcaatta aatttctata cactagcagc aaacaacctg aaaatgagac aagaaaacaa   240
cttcatttat aatgctgtca gaaagaaaaa tacttggaga aatttttaat caaaaagtgc   300
aagatttata ctctaaaaac tacaagacat cattcagaga aattaaagaa tacctaaata   360
aatgggaagg cctcctatgt tcatagattg gaagatgtac tattgttnnn nnnnnnncag   420
tccccaattg gatttgcaga ttcaacataa tccctattta aatttttgct gcctttttt   480

<210> 734
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (244)...(291)
<223> similar to gi4206763 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 734
tatgtagggg ccacaccagt gaccagacac ctcccaccac aacaatgacc agacacctcc   60
caccacacca gtgaccacac acctcccacc acaccagtga ccacacacct cccaccacac   120
cggtgaccag acacctccca ccacaccggt gaccagacac ctcctaccac aatgaccaga   180
cacctcccac cacaccagtg acccagacac ctcccatcac accagtgacc cagacgcctc   240
ccaccacacc agtgaccaga cacctcccac taggccggca ccaacactgg c   291

<210> 735
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(788)

455

<400> 735

```
tcttacagac tggaacctac ctttggcttt tatgaaaaag aggctctgtg agaaaattga    60
aggctccaaa tccttagctc agagctggag gatgaaggat cggatgaaca cagtcagtgt   120
tgccttagtt ttgtgcctga atgttggtgt ggaccctccc gatgtggtga agaccacgcc   180
ctgtgcacgc ttggaatgct ggatcgatcc tctgtcgatg ggtcctcaga aagctctggg   240
aaccatcggt gcaaatttac agaagcagta cgagaactgg cagccaaggg cccggtacaa   300
gcagagcctt gacccaactg tggatgaagt caagaagctc tgcacgtcct tacgtcgcaa   360
cgccaaggag gagcgagtcc tctttcacta caatggccac ggggtgcccc ggcccacagt   420
caacggggag gtctgggtct tcaacaagaa ctacacgcag tacatccctc tgtccatata   480
tgacctgcag acgtggatgg gcagcccgtc gatcttcgtc tacgactgct ccaatgctgg   540
cttgatcgtc aagtccttca agcagttcgc actacagcgg gagcaggagc tggaggtagc   600
tgcaatcaac ccaaatcacc ctcttgctca gatgcctttg cctccgtcga tgaaaaactg   660
catccagctg gcagcctgcg aggccaccga gctgctgccc atgatccccg acctcccggc   720
tgacctattc acctcctgcc tcaccacccc catcaagatc gccctgcgct ggttttgcat   780
gcagaaatgt gtcagtctgg tgcctggcgt cacactggat ttgatagaaa agtaagtagg   840
atttttaagc tcttggggct ctctggatct gatgagtttc ttttcctt               888
```


<210> 736
<211> 1207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (581)...(1118)

<400> 736

```
cccacgcgtc cgctcaaaca tggccgccac ggcgcctctg gaagggaacc gctctgggcc    60
ccgcctttga tctcgttggt ggggctgggg gatgagagct gcaccgcgcg ggacaagtcg   120
ccggcggcgc ccgacggagc agaagagaga gcatggagct ggagaggatc gtcagtgcag   180
ccctccttgc ctttgtccag acacacctcc cggaggccga cctcagtggc ttggatgagg   240
tcatcttctc ctatgtgctt ggggtcctgg aggacctggg cccctcgggc ccatcagagg   300
agaacttcga tatggaggct ttcactgaga tgatggaggc ctatgtgcct ggcttcgccc   360
acatccccag gggcacaata ggggacatga tgcagaagct ctcagggcag ctgagcgatg   420
ccaggaacaa agagaacctg caaccgcaga gctctggtgt ccaaggtcag gtgcccatct   480
ccccagagcc cctgcagcgg cccgaaatgc tcaaagaaga gactaggtct tcggctgctg   540
ctgctgcaga cacccaagat gaggcaactg gcgctgagga ggagcttctg ccaggggtgg   600
atgtactcct ggaggtgttc cctacctgtt cggtggagca ggcccagtgg gtgctggcca   660
aagctcgggg ggacttggaa gaagctgtgc agatgctggt agagggaaag gaagaggggc   720
ctgcagcctg ggagggcccc aaccaggacc tgcccagacg cctcagaggc ccccaaaagg   780
atgagctgaa gtccttcatc ctgcagaagt acatgatggt ggatagcgca gaggatcaga   840
agattcaccg gcccatggct cccaaggagg cccccaagaa gctgatccga tacatcgaca   900
```

```
accaggtagt gagcaccaaa ggggagcgat tcaaagatgt gcggaaccct gaggccgagg      960
agatgaaggc cacatacatc aacctcaagc cagccagaaa gtaccgcttc cattgaggca     1020
ctcgccggac tctgcccgag ccttctaggc tcagatccca gagggatgca ggagccctat     1080
acccctacac aggggcccc taactcctgt cccccttctc tactcctttg ctccatagtg     1140
ttaacctact ctcggagctg cctccatggg cacagtaaag gtggcccaag gaaggtgaaa     1200
aaaaaaa                                                              1207
```

<210> 737
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(522)
<223> similar to gi28969 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 737
```
atttcatcac aggtaaaggg attgtggcca tcttgaggtg tctccagttt aatgagacgc      60
taactgagct tcggtttcac aatcagaggc acatgttggg tcaccatgct gaaatggaaa     120
tagccaggct tttgaaggca aacaacactc tcctgaagat gggctaccat tttgagcttc     180
cgggtcccag aatggtggtc actaatctgc tcaccaggaa tcaggataaa caaaggcaga     240
aacgacagga agagcaaaaa cagcagcaac tcaaggaaca gaagaagctg atagccatgt     300
tagagaatgg gttgggggctg ccccctggga tgtgggagct gttgggagga cccaagccag    360
attccagaat gcaggaattc ttccagccac cgccacctcg gcctcccaac ccccaaaatg     420
tcccctttag tcaacgcagt gaaatgatga aaaagccatc gcaggccccg aagtacagga     480
cagaccctga ctccttccgg gtggtgaagc tgaagagaat ccag                     524
```


<210> 738
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (68)...(623)
<223> similar to gi2072972 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

457

```
      <400> 738
aaagaaacag aagtctcgaa cagagcaaca atgtataaag tatataataa gattgaatta    60
ctaataaaac aagctaccaa ccatagaaag ccctggataa gatgagttca cagccacatt   120
ttatcacata tacaaagata acctggtatt aattctactg agtgtattcc aaaaatcaag   180
gtggaagtcc ttcctaaatt atttgaaaac attattatct tggtagtaaa acctagtgaa   240
gacacaacaa aaaaggaaaa ttaccggtca ctattcttgg tgaaaattga aacaaaaatt   300
catgaagtac tagcaagttg agttcataag caaagcaaaa agttactttg ccacaatcat   360
gtaaacttca ttgtatgaat gcaaagatgt ttcatcatat acaagtaaat aaatgtgatt   420
caccatgtaa agataatttt taaaaaacaa ttatcacatg cagaaaaggc attcaagaaa   480
atctaatatt catttataaa aacattctca acaaactaag cactggagaa atatgcctgn   540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   600
nnnntaaggt ctccatcaga ata                                          623



      <210> 739
      <211> 408
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (7)...(406)
      <223> similar to gi530878 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters



      <400> 739
ttttggccgc agagccttcc tgcaagcctg cttccttcac cttctttttac atcttcatac    60
cttccagagg caccagcccc acctttgcc aaaaccgctc ctgccaaggc ccccatgacc   120
tgcgtgcgga gaaaccccac ctctatcact acagtcaggt ttctgcctgc agggtcccca   180
cctcgatcag tgagtctccc ttagctcctc acaaagcccc agcttctgta agaccctttc   240
tctgactccc actcccctcc ctgagatccc atgaccaccc caggtgctgc ccctagagcc   300
aagcctccat cctcgcatta agcctccagc ctgtcactga cccccattcc cccaacaagt   360
ccttgagctc cagcctgtca catcccagtc cctgcctgtg tccgtgac              408



      <210> 740
      <211> 2219
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (795)...(648)
      <223> similar to gi557822 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters
```

<400> 740
cgggcggtcg ggcgggaacg cagtgttgtt ggagagcggg ggcccggctt cgcggcattt   60
cgccctctcc ggcccttccg gaggctccgg gtttgtgccg tgtgcgtgcg gggctcggcg   120
ctggggcgct cggtaggtct cccgcgggga ggaggcggcg ggggccccgt gtttcttcct   180
ccccggcccc ccacccgcgc cgtgtcttat gtcgctgcct tctcttcctg tttttcagct   240
gtcacgaccg gagggggac tcgcagcctt accaggcact taagtattca tcgaagagtc   300
accccagtag cggtgatcac agacatgaaa agatgcgaga cgccggagat ccttcaccac   360
caaataaaat gttgcggaga tctgatagtc ctgaaaacaa atacagtgac agcacaggtc   420
acagtaaggc caaaaatgtg catactcaca gagttagaga gagggatggt gggaccagtt   480
actctccaca agaaaattca cacaaccaca gtgctcttca tagttcaaat ttcacattct   540
ttctaattcc aagcaattaa ccccaaggca aaactttcag gattgcacct tatgattctg   600
gcagatgact gggtctggag catattagct cttctgggga aaagtactac tacaattgtc   660
gaacagaagt ttcacaatgg ggaaaaaccc caaagagtgg cttggaaaga ggacagagac   720
aaaaagaagc aaacaagatg gcagtcaaca gcttcccaaa agatagggat tacagaagag   780
aggtgatgca agcaacagcc actagtgggt ttgccagtgg aaaatctaca tcaggagaca   840
aacccgtatc acattcttgc acaactcctt ccacgtcttc tgcctctgga ctgaaccca   900
catctgcacc tccaacatct gcttcagcgg gtccctgttt ctccgtgttc cacagctcgc   960
caatacctcc cttacttcag gacccaaatc ttcttagaca attgctgtcc tgctttggaa   1020
gccacgctgc agcttaataa ttctaatgtg gacataatct ataataaatg aagttcttac   1080
aggagatgtg acacaagcct cactgcagac tataattcat aagtgtctta ctgctggacc   1140
atctgttttc aaaataacgt ctctgatttc tcaagctgct cagctctcta cacaagccca   1200
ggcatctaat cagtctccga tgtctttaac atctgatgcg tcatccccaa ggatcatatg   1260
tttctccaag gaataaggca caccctcaaac ttaacacagt ccctattcaa acctttggat   1320
tcagtactcc tcctgtttca tcacagccaa aggttagtac tccagtagtt aagcaaggac   1380
cagtgtcaca gtcagccaca cagcagcctg taactgctga caagcagcaa ggtcatgaac   1440
ctgtctctcc tcgaagtctt cagcgctcaa gtagccagag aagtccatca cctggtccca   1500
atcatacttc taatagtagt aatgcatcaa atgcaacagt tgtaccacag aattcttctg   1560
cccgatccac gtgttcatta acgcctgcac tagcagcaca cttcagtgaa aatctcataa   1620
aacacgttca aggatggcct gcagatcatg cagagaagca ggcatcaaga ttacgcgaag   1680
aagcgcataa catgggaact attcacatgt ccgaaatttg tactgaatta aaaaatttaa   1740
gatctttagt ccgagtatgt gaaattcaag caactttgcg agagcaaagg atactatttt   1800
tgagacaaca aattaaggaa cttgaaaagc taaaaaatca gaattccttc atggtgtgaa   1860
gatgtgaata attgcacatg gttttgagaa caggaactgt aaatctgttg cccaatctta   1920
acatttttga gctgcattta agtagacttt ggaccgttaa gctgggcaaa ggaaatgaca   1980
aggggacggg gtctgtgaga gtcaattcag gggaaagata caagattgat ttgtaaaacc   2040
cttgaaatgt agatttcttg tagatgtatc cttcacgttg taaatatgtt ttgtagagtg   2100
aagccatggg aagccatgtg taacagagct tagacatcca aaactaatca atgctgaggt   2160
ggctaaatac ctagcctttt acatgtaaac ctgtctgcaa aattagcttt tttaaaaaa   2219

<210> 741
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> similar to gi4929683 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

459

```
    <400> 741
ccgtgggaaa ctgttacaac agctgcaatg cagaaatatc caagccctgt gaacccgagc      60
gtggtgtggg ttgacgtgtt aaacagacgt atagatccct ccagagagtt gcacagactt     120
ctccgcacag tgggaactgc aaaactctta ctggtgcagc aaaacgcaaa acatatatac     180
tagaatattc tgtagttaat cctgtagaga aaacaatgga acttaaatct actaatattt     240
cacttacaaa tatgatttca gtagatgaga gatttataca caaaccacat catcgggacc     300
ccccaaaaaa ctattttgac tcaagaagcc ataatcactg aagagaggta gcctcagcag     360
ttaccttgaa ggactgatgg caagaactat accttcaaat gct                        403


    <210> 742
    <211> 850
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (31)...(849)
    <223> similar to gi3834629 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


    <400> 742
cgtccgtaga ggcccagaat tcggcacgag gaagaaagca tccttgaaga agttttagaa      60
gctttaactt cagctggtga agaaaaaaaa attgacagat ttttttgtat tgtggaaggc     120
ctccggcaca attcagttca actgcaagta gcttgtatgc agctcatcaa tgccctggtt     180
acatctcctg atgatttgga tttcaggctt cacatcagaa atgaatttat gcgttgtgga     240
ttgaaagaga tattgccaaa tttaaaatgc attaagaatg atggcctgga tatccaactt     300
aaagtctttg atgagcataa agaagaagat ttgtttgagt tatcccatcg ccttgaagat     360
attagagctg aacttgatga agcatatgat gtttacaaca tggtgtggag cacagttaaa     420
gaaactagag cagagggata tttttatttct attcttcagc atcttttgct gattcgaaat     480
gattatttta taaggcaaca atacttcaaa ttaattgatg agtgtgtatc ccagattgta     540
ttgcatagag atggaatgga tccagacttc acatatcgaa aaagactaga tttagattta     600
acccagtttg tagacatttg catagatcaa gcaaaactag aagagtttga agagaaagca     660
tcagaacttt acaagaaatt tgaaaaagag tttaccgacc accaagaaac tcaggctgaa     720
ttgcagaaaa aagaggcaaa gattaatgag cttcaagcag agctacaagc ttttaagtct     780
cagtttggtg ccttgccagc tgattgtaat attccttttg cctccctcta aagaaggtgg     840
aactggccac                                                            850


    <210> 743
    <211> 775
    <212> DNA
    <213> Homo sapiens

    <220>
```

<221> misc_feature
<222> (26)...(775)
<223> similar to gi1872200 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 743
ctcctgcccc agcctcccaa gtagctgcga ccacaggcac gtgccaccat gcctggctaa   60
tttttttttt ctgagacagt gtttcactct tgttgcccag gctgcagtgc aatggcgcga   120
cctcggctca ttgcaacctc tgcctcccag gttcaagcga ttctcctatc tcagccttcc   180
aagtagctgg gattacaggc atgagccact atgccccact ttgcccggct aattttgtat   240
ttttagtaga gatggggttt ccccgtgttg gtcagcctgg tctcaaactc ctgacctcag   300
gtgatccacc cgacttgacc tgccaaagtg ctgggattac aggcgtgagc cactgcaccc   360
gccagccatg tcttttcatg tctccagctc tggtgcggct gaagggtgtg ggcaggtgga   420
cctcagccgg cccatctgcc cagcgaggat gtgaattcct gcctgagtgc ctgtgagtac   480
cccacgagaa ggatgggcta cctcttgggt gagacaggtg gatgcatcta taaccccga   540
ggccggaagg tccccactca aagcccagtg cctccccgtc ccctgggccc acatcccaga   600
gtagacggcc ctgccagaca gaggggtgag ggccacagag atgagtgccg gagtccaaat   660
cggtgcaact ttaccacgag tgagatctgg ttggccgatg ccactgaatc cgggttagag   720
gacgaggaag aggaagacga ggaggaagag gagacggaat ttccttccga gaccc   775

<210> 744
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(341)
<223> similar to gi310200 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 744
aatgacgggc cagctgccaa cagcatctcc gtcaggaccc ccaccaaggg ccccaacgac   60
caccgggtcg ttcaaaccca cagccgccaa tccagcctcc gccactaggg gcaccactgc   120
tgcggtcagt acagaccgct acaaccacaa atgccgcaac cacgaccccg tctaggatca   180
gatacacagc cggggaggcc agcaccgccc cccaacacaa ggcaatggcg ggtgctacag   240
ccagcgccac cagcagcagt gccgccgccg cagccactac tccagccccc agcgcgcctg   300
ccaccaaagc cacgccaagc atggccgcag tcgcccccgc   340

<210> 745
<211> 356
<212> DNA
<213> Homo sapiens

461

<220>
<221> misc_feature
<222> (105)...(300)
<223> similar to gi5231133 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 745
cgctagagga agaagatggc tgaaggcgga gcggtggatc tggacaccca gcggtctgac   60
atcgcgacgc tgctcaaaac ctagatccgg aaaggggaca cctggtggtt gaacagggta   120
tgtttgtaaa gcactgcaaa gtagaagtat atctcacaga attgaagcta tgtgaaaatg   180
gaatcatgaa taaagtcgaa actcgaatat ttatcatagc tgacacaata ggtattagtg   240
atagaacaga tttatgaaga tggaacatgg ccaaggggtc cttctactcc taagactgct   300
gcagtttgat ggaggcctac tccataccct gttagcctgg ttattaccag tggagg   356

<210> 746
<211> 994
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (264)...(995)
<223> similar to gi3877428 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 746
agagaattca aacactacca aatcagaatc agtcgcaaac ccagccatta ctgaagactc   60
ctcctgctgt acttcagcca attgcaccac agacaacatt tggtgttcag actcagcccc   120
agccccagtc actgctgcag gcacagattt cagcagcttc tattacacca ctattgcaga   180
ctcaaccaca gcccttatta cagcagcctc agcaaaaagc tggtttattg cagcctcctg   240
ttcgtatagt ttcacagcca caaccggcac gacgattaga tcccccatcc cgattttcag   300
gaagaaatga cagaggggat caagtgccta acagaaaaga tgatcgaagt cgtgagagag   360
agagagaaag acgtagatcg agagaaagat cacctcagag gaaacgttcc cgggaaagat   420
ctccacgaag agagcgagag cgatcacctc ggagagttcg acgtgttgtt ccacgttaca   480
cagttcagtt ttcaaagttt tctttagatt gtcccagttg tgacatgatg gaactaaggc   540
gccgttatca aaatttgtat atacctagtg acttttttga tgctcaattt acatgggtgg   600
atgctttccc tttgtcaaga ccatttcagc tgggaaatta ctgcaatttt tatgtaatgc   660
acagagaagt agagtcctta gaaaaaaata tggccattct tgatccacca gatgctgacc   720
acttatacag tgcaaaggta atgctgatgg ctagccctag tatggaagat ttatatcata   780
agtcatgtgc tcttgctgag gacccacaag aacttcgaga tggattccaa catcctgcta   840
gacttgttaa gtttttagtg ggcatgaaag gcaaggatga agctatggcc attggaggcc   900
actggtctcc ttcgttggat ggaccagacc cagaaaaaga tccctctgtg ttgattaaga   960
ctggctattc gttgttgtaa ggctctgaca ggca   994

```
<210> 747
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(358)
<223> similar to gi439877 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 747
gatgaagtta gacctctacc tcacatcatg tgcaaaaatt aacttgaaat gtatcaaatg      60
tctaaaggta agagctaaag ctataaaacc ttcagggaaa ctataggaat aagtcttcaa     120
aactttagat ttggcaatga ttttttagct ataccgccaa aagcaccaat aacaaaagaa     180
aaaataaatt ggacttccct ggaattaaaa aattttgcat caaagtgcac aattcagaac     240
ttgaaaagcc aacttacgga gtgggaggaa atatttccaa atcaattatc taaaaactgc     300
taatatccaa tacatataaa ggactcttaa aaacaacaaa agacaaccca atttttaa       358



<210> 748
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (127)...(401)
<223> similar to gi2197069 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 748
cttgcgctgt ggactcattc aggccacaga ctgcttttgg tttgactggc ttctacagtg      60
tcagacagat agatgcttca cagtgacttt ttggtgaaca accctactag gatacacgtg     120
atgttcatgt ccctgtgttc cacgtgccat gcagtgtgga cctctgtgat gtctacctgt     180
gccgatgtca ggccggcttt tctgagaggc actgtgacca cctcgtggac gactgcgcct     240
cctacccgtg cgcgcacgca ggcacctgcc tcgatgttga taccgacttc tcctgcacct     300
gcccgcctgg ctacacgggc aggaactgca gggcccccgt cagcaggtgc gatacacgca     360
ccctgtcaaa atgtggccac ctgtcacgag aggggccacg                           400



<210> 749
<211> 933
```

463

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(934)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (19)...(556)
<223> similar to gi1747519 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 749
ggccgctggt ccggaggtag cggtgccggc cgaggggggtc ggggcggctg gggcggtcgg   60
ggccggcgtc ctcgggccca gcggtctcca tcccgggggca cgctggacgt agtgtctgtg   120
gacttggtca ccgacagcga tgaggaaatt ctggaggtcg ccaccgctcg cggtgccgcg   180
gacgaggttg aggtggagcc cccggagccc ccggggccgg tcgcgtcccg ggataacagc   240
aacagtgaca gcgaagggga ggacaggcgg cccgcaggac ccccgcggga gccggtcagg   300
cggcggcggc ggctggtgcc tggatccggg ggaggcgccg cctggttccg gtgtactcgg   360
ggaaggttta aaagcagcct tcgccttatc ccagatgatc tatccctcct gaaactctac   420
cctccagggg atgaggaaga ggcagagctg gcagattcga gtggtctcta ccatgagggc   480
tccccatcac caggctctcc ctggaagaca aagctgagga ctaaggataa agaagagaag   540
aaaaagacag agtttctgtg agtgagnccc agggcccttg ggcccctggg agcaggaaag   600
tgagttggag gggtaagcgg aggcaggcag gactcttggg tgactcctga aaggttaaga   660
agaagggata gaaggactgt tgagtttcat gtggggaatg aatcgcttgg ggaaaagagg   720
tggcttaccc cggagggtga cagtgaaccc ttcaggatca cccttgggag tggattctga   780
gaccctagta atgtgagctt aaggtatggt tccaatccag cttccctgtc ctctctgtgc   840
ttctctttct tcatctataa aaccccgttt tatagcctgg gagacatgga gagaccctgt   900
ctctacaaaa aataaaaaaa aattagcctg gca   933

<210> 750
<211> 1606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1601)
<223> similar to gi2370155 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 750
ccagcacatg acgacttcta tctcgtagtg tgcagtgcct gtaaccaggt cgtcaagcca   60
caggttttcc agtcgcactg cgagagaaga cacggttcaa tgtgtagacc ttctccctct   120
ccagtgtctc cagcctccaa tcccaggaca tcactagtac aggtgaaaac aaaagcctgt   180

464

```
ctcagcggcc atcactctgc cagcagcacc tcaaagccat tcaaaacgcc caaagacaat     240
ctacttacct ccagcagcaa acagcacaca gtctttcctg cgaaaggatc aagggataaa     300
ccatgtgttc cagttcctgt agtcagttta gagaaaattc ctaacctagt gaaggcagat     360
ggtgccaatg tcaaaatgaa ctccacaacc actactgcag tttctgcctc ctccacctcg     420
tcctctgccg tctccacccc tcctttaatt aagcctgtcc tgatgtccaa gtcagtgcca     480
ccttcaccag agaagatctt aaatggcaaa ggaattctgc caaccaccat agacaagaga     540
cgccaaaatg gcaccaacag cagcaacaag ccttacagga gactttcaga gagagaattt     600
gacccaaata agcactgtgg agtattggat gccgagacaa agaaaccttg cacaagatcc     660
ctcacctgca agacacattc gctaagccat cggagggcag tcccaggccg gaaaaagcaa     720
tttgacctcc tcctggcaga acacaaagca aagtcccggg aaaaagaagt taaagataaa     780
gagcatctcc tgacttccac gagggaaata cttccaagcc aatccgggcc ggcacaggat     840
tctctgctag ggtcttcagg gagctctggg ccagaaccaa aagttgcatc ccctgcaaaa     900
tccagaccac ccaactctgt acttcctaga ccatcatctg caaatagcat aagcagcagc     960
acatcttcaa atcatagcgg ccacactcca gagcccccac tcccaccggt tggaggtgac    1020
ctcgccagcc gactgtccag tgatgaaggg gagatggacg gagccgacga atccgagaag    1080
ctagactgtc agttctccac gcaccacccc agacctatgg cgtttttgctc atttgggagt    1140
cgcctcatgg gacgagggta ctatgtgttt gatagaagat gggatcgttt tcgattcgca    1200
ctaaactcca tggtagaaaa acacctgaat tcacagatgt ggaagaagat ccctcctgcg    1260
acagatagcc ccctgccctc gccagcagcc cacatcacca ccccgttcc agcatccgtt    1320
ttgcagcctt tcagcaaccc cagtgctgtg tatcttcctt cagctcccat cagctcgagg    1380
ctcacctctt cttacataat gacatcagcc atgctctcaa acgcagcttt cgtgacatcg    1440
ccggacccga gcgccctcat gtcccacacc acagctttcc ctcatgtggc cgcaaccctc    1500
agcatcatgg actcaacctt caaggcccca tccgccgtgt ccccgatacc agccgtcatc    1560
ccttccccat cccacaagcc atccaaaacc aaaaccagct acgaaa                    1606
```



```
<210> 751
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(411)
<223> similar to gi476332 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```



```
<400> 751
tgtgtttggc cctggctggc cgggacctgg ccgactacgt ggtgaagatc ctcgaggggc      60
ccgctacagc ttcatcacca cagtgaagtg ggggattgtg cgtgacatcc aggaaaagct     120
atgctgtgtt gccttggact tgcagcagga gatggccact gccgtgtcct cttccttcct     180
ggagaagagc tacaagctct cccacagcct ggtggtcacc atcagcaatg agtggttctg     240
gtgtccagag gcgctgtccc agccctcctt cctgggcatg gaatcttgct gcatccagga     300
gaccatcttg acctccatca tgaagtgtga tgtggatatc tgcaaggacc tgtacaccaa     360
tgtggtgctg tctggcacat tgccatgcac ccaagtatca cacacaggat g               411
```



```
<210> 752
```

<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(542)
<223> similar to gi2352427 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 752
tacaagctgg agataaggac cttgatgggc agctagactt tgaagaattt gtccattatc   60
tccaagatca tgagaagaag ctgaggctgg tgtttaagag tttggacaaa aagaatgatg   120
gacgcattga cgcgcaggag atcatgcagt ccctgcggga ctttgggagt caagatatct   180
gaacagcagg cagaaaaaat tctcaagagc atggataaaa acggcacgat gaccatcgac   240
tggaacgagt ggagagacta ccacctcctc caccccgtgg aaaacatccc cgagatcatc   300
ctctactgga agcattccac gatctttgat gtgggtgaga atctaacggt cccggatgag   360
ttcacagtgg aggagaggca gacggggatg tggtggagac acctggtggc aggaggtggg   420
gcagggggccg tatccagaac ctgcacggcc cccctggaca ggctcaaggt gctcatgcag   480
gtccatgcct cccgcagcaa caacatgggc atcgttggtg ccttcactcc catgattcga   540
g   541

<210> 753
<211> 1743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1744)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1744)...(0)
<223> similar to gi4803931 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 753
ttttttttt ttggagttca ttagaccttt tttattattc tacctttct gcatatgttt   60
gcagttttcc caccgactcc tccataaaca aacattttcc tagaaaccca aaatatgtag   120
tggccccaaa ggagctcctt aagccaaagt acttggtaca aagagaccca tattcctata   180
aacatgttaa gtttgttcct aagcattcca gactttaga ataagaactt catttccaac   240
ttttttattt attaacatgg ggctaaactt ttaagaaaca accctaggtc ttctatttcc   300
caggagctgg ttcaaagtct taaatgacaa tataacttca ttatgaaaat atactgaaaa   360
ggtacaaggg gctgatgtaa aaacggttaa tcaagggttc ccaggcatcc atgggactt   420
aagggtaacc tgaaagaata accccagcc caggctgcaa ccagccaggc caggatgtgc   480

```
tggcttnacg tngatgaggt gctaaggccc atcgaatgcc tcagaggaaa gccggattca    540
cgggggatca tctcaacccct gaggaaatcg gttccttggg gggtgatttc ttgcccttttt   600
ttttgttttt gtaaggaaga gggttcccctt cattccagta actttagttt tcccttaata   660
aatattttca aaaataaaac caatcatcat ccaaacaaac agggagccac ttttgtaggg   720
taagggtaaa tcacaggata atgtattggg ataactctgt tttttaaaa taaaaaagcc    780
ttacatggtc agggattgat ggagtggggga tgacaaatgc acatttcaga ctttcatcac  840
caatgaaaaa ataaagcatt ttcatagact taaaactgtc attagtgcat tcggctttttg  900
gagaagggat gaaaatgtaa aatacttcta caacaataaa atgttaatag aaatcgtcat    960
gtgctgaggt cattttaggt gagctaccat tgtttgttta aatacaagaa aaagtaattt   1020
ccttggtccc aatttaagtg gaaatccttt aaaaaagatt gcctttaaaa gaaccattat   1080
ttgagggaca atgtttttttc cagacacatt cctggatgat attccaaatt cacttccata  1140
acaatccaca gattaaccct tttaattcca cctttcctta aaaagctgtc agatttccca   1200
tttccttcgg gagacatttt tcacccagtg tgttgttcga ttcccacagg ttaagctttc   1260
ttcattatta ttaaggaact tcataccata ttagagagat tgccattcat tgctttcctc   1320
gtctttttcg gaaaagacac aggccagact ttgcttaggc taaagctgac gtctttaaag   1380
gcatgcaaca agaatatccc cccacaatga ttgtaaagaa gccacttcaa agtaccaatg   1440
gacatcgtca acaggcatat cttgccactc cttaaaaaga atagctgaac aagttaaaac   1500
tgatgttgta aagaatacat aatatattgg agtcacaatg gaagtgttga atatatccag  1560
ggccctattt aggtaattaa tctgtgtgct cacacagacg atgaggctca gcagcagaat  1620
ccaagccagg ggatgccgca gcacaggctt ccctgcaaac agctccttga tagcaatgcc  1680
caggcccttc acacaggaga ctgaaaacgc gccgattaca gagcagattg ttatgtacac  1740
aag                                                                  1743




        <210> 754
        <211> 670
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(460)
        <223> similar to gi2388970 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters




        <400> 754
gctagattct atagatcctg ctttacgaag gcctggtcgc tttgatagag aattcctctt     60
tagcctgcct gataaagagg ctcgaaaaga gattctaaag attcacacca gggattggaa    120
tcccaaacca ctggacacat ttttagaaga gctagcagaa aactgtgttg gatactgtgg   180
agcagatatt aaatcaatat gtgctgaagc tgctttatgt gctttacgac gacgctaccc   240
acagatctat accactagtg agaaactgca gttggatctc tcttcaatta atatctcagc   300
taaggatttc gaggtagcta tgcaaaagat gataccagcc tcccaaagag ctgtgacatc   360
acctgggcag gcactgtcca ccggttgtga aaccactcct gcaaaacact gttgacaaga  420
ttttagaagc cctgcagaga gtatttccac atgcagaatt cagaacaaat aaaacattag   480
actcagatat ttcttgtcct ctgctagaaa gtgacttggc ttacagtgat gatgatgttc  540
catcagttta tgaaaatgga ctttctcaga aatcttctca taggcaaaa gacaatttta     600
attttcttca tttgaataga aatgcttgtt accaacctat gtcttttcga ccaagaatat    660
tgatagtagg                                                           670
```

467

<210> 755
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(308)
<223> similar to gi2253354 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 755
cgaggacaaa ccactcaact acaccaaaag gtcagaccaa gaccgcgtcg gcacgcccac   60
caccggctca gcataagcat cagcaggcag gaccaattac caaacctgga tccgccagac   120
tccaggaact ggggatggag tgggtctcag ctctttaccg cgatggtagg acattctaca   180
cagactccgt gaagggcaga ttcaccatct ccagagacga ttccaagaac atggtgtttc   240
ttcaaatgaa tagcctgcga gtcgaggaca cggctgtata ttactgtgcg agagatcgtg   300
gatatcgtgg tggtggtaat tgc   323

<210> 756
<211> 1362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(1362)
<223> similar to gi3452473 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 756
tttcgtgaaa cttatcaaga aacaccaggc tgctatggag aaagaggcta aagtgatgtc   60
caatgaagag aaaaaatttc agcaacatat tcaggcccaa cagaagaaag aactgaatag   120
ttttctcgag tcccagaaaa gagagtataa acttcgaaaa gagcagctta aagaggagct   180
aaatgaaaac cagagtaccc ccaaaaaaga aaaacaggag tggctttcaa agcagaagga   240
gaatatacag catttccaag cagaagaaga agctaacctt cttcgacgtc aaagacaata   300
cctagagctg gaatgccgtc gcttcaagag aagaatgtta cttgggcgtc ataacttaga   360
gcaggacctt gtcagggagg agttaaacaa aagacagact cagaaggact tagagcatgc   420
catgctactc cgacagcatg aatctatgca agaactggag ttccgccacc tcaacacaat   480
tcagaagatg cgctgtgagt tgatcagatt acagcatcaa actgagctca ctaaccagct   540
ggaatataat aagcgaagag aacgagaact aagacgaaag catgtcatgg aagttcgaca   600
acagcctaag agtttgaagt ctaaagaact ccaaataaaa aagcagtttc aggatacctg   660
caaaatccaa accagacagt acaaagcatt aagaaatcac ctgctggaga ctacaccaaa   720
gagtgagcac aaagctgttc tgaaacggct caaggaggaa cagacccgga aattagctat   780
cttggctgag cagtatgatc acagcattaa tgaaatgctc tccacacaag ccctgcgttt   840

```
ggatgaagca caggaagcag agtgccaggt tttgaagatg cagctgcagc aggaactgga    900
gctgttgaat gcgtatcaga gcaaaatcaa gatgcaagct gaggcacaac atgatcgaga    960
gcttcgcgag cttgaacaga gggtctccct ccggagggca ctcttagaac aaaagattga   1020
agaagagatg ttggctttgc agaatgagcg cacagaacga atacgaagcc tgttggaacg   1080
tcaagccaga gagattgaag cttttgactc tgaaagcatg agactaggtt ttagtaatat   1140
ggtcctttct aatctctccc ctgaggcatt cagccacagc tacccgggag cttctggttg   1200
gtcacacaac cctactgggg gtccaggacc tcactggggt catcccatgg gtggcccacc   1260
acaagcttgg ggccatccaa tgcaaggtgg accccagcca tggggtcacc cttcaaggcc   1320
caatgcaaag gggtacctcg aggagcagta tgggagtccg ct                      1362
```

<210> 757
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(503)
<223> similar to gi1113865 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 757
```
tatgggaagc cagtttagag aacctggaaa tcgaacctga tggaaatata ctccagctca     60
atcagacact ggaagagtgt gtgcccaggg ttaggagtgt acatcatgtc atagaggaat    120
gtaagcaaga aaaccagtac cttgagggga acacacagct cttggaaaaa gtaaaagcac    180
atgaaattgc ctggttacat ggaacaattc agacacatca agaaaggcca agagtacaga    240
atcaagttat actggaggaa aacactactc tcctaggctt tcaagacaaa cattttcagc    300
atcaggccac catagcagag ttagaactgg agaaaacaaa gttacaggag ctgactagga    360
agttgaagga gagagtcact attttagtta agcaaaaaga tgtactttct cacggagaaa    420
aggaggaaga gctgaaggca atgatgcatg acttgcagat cacgtgcagt gagatgcagc    480
aaaaagttga acttctgagg taatgtatgt accttctaga cgtcacgaat cccacagagc    540
acctcaccag atctaacttc cactgcttg                                      569
```

<210> 758
<211> 1488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (407)...(1490)
<223> similar to gi5915896 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 758
agggggactc ctgagggatg aagtgggcga tccagactcc tagcttccca ccgaggcact      60
aagggaatca gagtgggtca gcgagtacgg gaagtgtggt ccacgagggc tggttcctga     120
gggagaatcc acaagcccc tcccctcttc agtggatact gaagactccc tcgacgaagg     180
acccgggggcc ctggtattgg agagtgattt gctactaggc caggatctgg agtttgagga     240
ggaagaggaa gaggaggaag gcgacggcaa cagtgaccag ctcatgggct tcgagagaga     300
ctcggaagga gactctctgg gggccaggcc tgggcttccc tatgggctga gcgacgatga     360
gtctgggggc ggccgggcac taagtgcgga gagtgaagtt gaggagccag ccaggggtcc     420
aggggaggcc aggggtgaga ggccaggccc agcctgccag ctgtgtgggg ggccgacagg     480
tgaggggccg tgttgtgggg caggagggcc gggtgggggg ccctgctgc ccccacggct     540
actgtactca tgccgcctct gcaccttcgt gtcccactac tcgagccacc tgaagcggca     600
catgcagaca cacagcggag agaagccgtt ccgctgtggc cgctgcccct acgcctcagc     660
ccagctcgtc aacctgacac gacatacccg cacccacact ggcgagaagc cctaccgctg     720
tccccactgc ccctttgcct gcagcagcct gggcaacctg aggcggcatc agcgtaccca     780
cgcagggccc cccactcctc cctgcccgac ctgtggcttc cgctgctgta ctccacgacc     840
agcccggcct cccagtccca cagagcagga gggggcggtg ccccggcgac ctgaagatgc     900
tctgctcctt ccagatttga gcctccatgt gccaccaggt ggtgccagtt tcctgccaga     960
ctgtgggcag ctgcgggggtg aaggggaggg cctctgcggg actggatcag aaccactgcc    1020
agagctgcta ttcccttgga cctgccgggg ctgtggacaa gagctggagg agggtgaggg    1080
tagtcggctg ggagctgcca tgtgtgggcg ctgcatgcga ggagaggctg gaggggggtgc    1140
cagtgggggg ccccagggcc ccagtgacaa aggctttgcc tgtagcctct gcccctttgc    1200
cactcactat cccaaccacc tggcccggca catgaagaca cacagtggtg agaagccctt    1260
ccgctgcgcc cgctgtcctt atgcctctgc tcatctggat aacctgaaac ggcaccagcg    1320
cgtccataca ggagagaagc cctacaagtg ccccctctgc ccttatgcct gtggcaatct    1380
ggccaacctc aagcgtcatg gtcgcatcca ctctggtgac aaaccttttc ggtgtagcct    1440
ttgcaactac agctgcaacc agagcatgaa cctcatacgt cacatgcc               1488


<210> 759
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(419)
<223> similar to gi200549 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 759
gcgcaggccc atcgggccca ctctggagca gacgctgcct catgcccccg ggtctctgct      60
gtgaggagga gggagggggac agacctccat ggcaccacag tgtcctgggg aactgaggcg     120
agtcacagag gctgcagagg aaagtgtgaa cttgtcacag tgggggaagg acgtggtgcc     180
gaggccaggc tgcagggctc cctgtgcctc ccagccccgc acctcctccc tctggaccgg     240
ctcccacaag gacatcccac ccggtcagca gcccacggag gctcccgtgc agggaccacc     300
ccctccccgt gctgggccgg ctccgggggcc accccctcct ccctgctgcc cccagagctg     360
ctcaccctgg ggatcttccc cccatcctct tctggctcac cgtgggctca ggccctgccc     420
gatggctgg                                                             429
```

470

<210> 760
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(404)
<223> similar to gi5923788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 760
cagggattag atatctgtgc aaatggcagg tgcccagaaa gttggctgtg atggtttatt   60
agggtctctt gcaagagaag atcattgtgg tgtatgcaat ggcaatggaa aatcatgcaa   120
gatcattaaa ggggatttta atcacaccag aggagcaggt tatgtagaag tgctggtgat   180
acctgctgga gcaagaagaa tcaaagttgt ggaggaaaag ccggcacata gctatttagc   240
tctccgagat gctggcaaac agtctattaa tagtgactgg aagattgaac actctggagc   300
cttcaatttg gctggaacta ccgttcatta tgtaagacga ggcctctggg agaagatctc   360
tgccaaaggt cctactacag cacctttaca tcttctggtg ctcctgtttc aggatcagaa   420
ttatggtctt cactatgaat acactatccc atcagaccct cttccagaaa accagagctc   480
taaagcacct gagcccctct tcatgtggac acacacaag   519

<210> 761
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (67)...(375)
<223> similar to gi56588 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 761
accaacaaga aaatataaaa cttatgcaaa ctataaaccg aatagacttc acatacacag   60
ataaaataca caaaagcagc agaatacata ttcttttcaa gcagacatgg aagatctttc   120
aggattccat aggctaagtt ataaaaccaa tcttagaaaa tttaaaagga tagaaataac   180
aaagcatatt caccaagcag aatgggctga aactagaatt caatgacaga aagaaatttg   240
agaaactcgc aaatatattg aaattcaaga acacactgct aaataaccag tgggtaaaag   300

471

```
aagaaatcac aaagagaatt agaaaatgct ttaagataaa tgaaaataaa tataaaacac      360
accaaaactt aatatgcagc taaaaacagg catacn                                 396
```

```
<210> 762
<211> 1400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1401)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (10)...(1152)
<223> similar to gi1113865 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 762
gaacgttgta aagtgcagtc ctccacttta gtgtcttctc tggaggcgga gctctctgaa       60
gttaaaatac agacccatat tgtgcaacag gaaaaccacc ttctcaaaga tgaactggag      120
aaaatgaaac agctgcacag atgtcccgat ctctctgact tccagcaaaa aatctctagt      180
gttctaagct acaacgaaaa actgctgaaa gaaaaggaag ctctgagtga ggaattaaat      240
agctgtgtcg ataagttggc aaaatcaagt cttttagagc atagaattgc gacgatgaag      300
caggaacaga aatcctggga acatcagagt gcgagcttaa agtcacagct ggtggcttct      360
caggaaaagg ttcagaattt agaagacacc gtgcagaatg taaacctgca aatgtcccgg      420
atgaaatctg acctacgagt gactcagcag gaaaaggagg ctttaaaaca agaagtgatg      480
tctttacata agcaacttca gaatgctggt ggcaagagct gggccccaga gatagctact      540
catccatcag ggctccataa ccagcagaaa aggctgtcct gggacaagtt ggatcatctg      600
atgaaatnga ggaacagcag ctgctttggc aagagaatga gaggctccag accatggtac      660
agaacaccaa agccgaactc acgcactccc gggagaaggt ccgtcagttg gaatccaatc      720
ttcttcccaa gcaccaaaaa catctaaacc catcaggtac catgaatccc acagagcaag      780
aaaaattgag cttaaagaga gagtgtgatc agtttcagaa agaacaatct cctgctaaca      840
ggaaggtcag tcagatgaat tcccttgaac aagaattaga aacaattcat ttggaaaatg      900
aaggcctgaa aaagaaacaa gtaaaactgg atgagcagct catggagatg cagcacctga      960
ggtccactgc gacgcctagc ccgtcccctc atgcttggga tttgcagctg ctccagcagc     1020
aagcctgtcc gatgggtgcc cagggagcag tttctgcagc ttcaacgcca gctgctgcag     1080
gcagaaagga taaaccagca cctgcaggag gaacttgaaa acaggacctc cgaaaccaac     1140
acaccacagg gaaaccaggg gacaactggt aactgttcat gggagggaac gattgttagg     1200
aagtttgaac agaaattgaa atttgttgaa aaggtttttt caagagaaag tgaatcagct     1260
caaagaacaa gtgagcctac ctggtcatct ctgttcaccc acctcacatt ccagctttaa     1320
ctccagtttt acatcccttt attgccatta actcgttaac ttatgttggc taataaaggc     1380
aaattctatt aaaaaaaaaa                                                 1400


<210> 763
```

<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> similar to gi4204312 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 763
aaatacagcg gaaaaacgaa ggtccttcac cagcgtttta aatcattgca ggaaaaacag   60
agataaagtc cgtgtctttt cttttttccac caagtcgctt gacttgctac agcagtactg   120
tatggctgct gggcttgatt acacgactga cttgatggag agtacaaaat cacaggacag   180
actcaagatt gtactagagt tcaacagtac acaagatgtt aacatttgcc ttgcctctac   240
aatggctggt ggactagtcc tcaatttctg tcggggccaa tgttggtgta ttattggatc   300
ctacttggaa tccagccaat gatcttcaag ccattgacag agcatatagg actggacaat   360
gtagagatgt caaagtgctt aagctg   386

<210> 764
<211> 1008
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(1008)
<223> similar to gi4099551 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 764
acggactgcc ccggtcgacc cacgcgtccg cggaggttcg acctgctgtg gccgccaagc   60
ccgggcgcgc aagaagaaac tcagcaagtc agacatcatg ctggtgcaga gctccaatgt   120
acccagtaac ccggcccagg tgccgataga ggagtccggg ggctttggct cccaccacca   180
caaccagaat tactgctatc aggtatgcct gacccctgag tccgccaaga ccgacctgat   240
gtttcttaag ccctgcagcc cttcgcggag tacggacact gagcacaacc cctgcggggc   300
catcgtcacc ggttacaccg accagcagcc tgatatcatc tccaacggaa gcatttttgtc   360
caacgagact aaacaccagc gagcagagct cagctatcta gttgacagac ctcgccgagt   420
taacagttct gcattccagg aagccgacat agtaagctct aaggacagtg gtcatggaga   480
cagtgaacag ggagatagtg atcatgatgc caccaaccgt gcccagtcag ctggtatgga   540
tctcttctcc aattgcactg aggaatgtaa agctctgggc cactcagatc ggtgctggat   600
gccttctttt gtcccttctg atggacgcca ggctgctgat tatcgcagca atctgcatgt   660
tcctggcatc catcaaatcg gtgctggatg ccttctttttg ccccttctga tggacgccag   720
gctgctgatt atcgcagcaa tctgcatgtt cctggcatgg actctgttcc agacactgag   780
gtgtttgaaa cttcagaagc ccagcctggc gcagagcggt cctttttccac ctttggcaaa   840
aagaaggccc ttcacagcac tctggagagg aaggagctgg atggactgct gactaatacg   900
cgagcgcctt acaaaccacc atatttgact cggaaaagga tatgctagtc aattctacag   960

gacttacctg aagcagcatg atttgcacaa agtcgaccaa caaaagca   1008

<210> 765
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(389)
<223> similar to gi1184100 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 765
ccttggaaga cattgctgag tggatcctgg ccatgccagc tatgccccga gaggacactg   60
gcttcccagc caaggagcct gtccacaccc agccctcaga gccccagtga caatatcaga   120
gttggcagcc aggggcctgg tgctgcttgg agcacctctg agcgggtgtc tgaatacacc   180
ccaacacggc ccatattccc atattcagaa tgccgtcccc aggacccgag gctaaagccc   240
agcccccccg gccctccccc agtcctgccc ttcttcggtt ctgccatccc caagctcatc   300
tccagcccac ccctgcgatc tggcctgcac atggccccaa ggtgcccccc aagggtgaag   360
ctgggtccct cccaacagcc ctttccactc acgtcct   397

<210> 766
<211> 2337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(2339)
<223> similar to gi1403709 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 766
tttcgttgca attgcaacga atggtgttgt gcctgctggt ggctcctact acatgatttc   60
caggtctctg ggcccagagt ttggggggtgc cgtgggcctc tgcttctacc tgggcactac   120
ctttgcagga gccatgtaca tcctgggcac catcgaaatc ctgctggctt acctcttccc   180
agccatggcc atcttcaagg cagaagatgc cagtggggag gcagcagcca tgctgaacaa   240
catgcgtgtt tacggcacct gtgtgctcac ctgcatggcc actgtggtgt tgtgggtgt   300
caagtatgtc aacaagtttg cccttgtctt cctgggttgt gtcatcctct ccatcctggc   360
catctatgct ggggtcatca agtctgcctt cgacccaccc aacttcccga tctgcctcct   420
gggtaaccgc acgctgtctc gccatggctt tgatgtctgt gccaagctgg cttgggaagg   480
aaatgagacg gtgaccacac ggctatgggg ccttttctgc tcctctcgct tcctcaacgc   540

474

```
cacctgtgat gaatacttca cccgaaacaa tgtcacagag atccagggca tccctggtgc    600
tgccagtggc ctcatcaaag agaacctctg gagctcctac ctgaccaagg gcgtgattgt    660
ggagaggagt gggatgacct cggtgggcct ggccgatggc actcctatcg acatggacca    720
cccttatgtc ttcagtgata tgacctccta cttcaccctg ctggttggca tctacttccc    780
ctcagtcaca gggatcatgg ctggttctaa ccgctctggg gacctgaggg atgcccagaa    840
gtcaatcccc actggcacca tcctggccat cgccaccacc tctgctgtct acatcagctc    900
cgttgttctg tttgggggcct gcattgaggg ggtcgtcctg cgggacaagt ttggcgaagc    960
tgtgaatggc aacctcgtgg tgggcactct ggcctggcca tctccatggg taattgtcat   1020
cggatccttc ttctccacct gtggggctgg gctgcagagc ctcacggggg ccccacgcct   1080
gctgcaggcc atctcgaggg atggcattgt gcccttcctg caggtctttg gccatggcaa   1140
ggccaatgga gagccgacct gggccctgct cctgactgcc tgcatctgcg agattggcat   1200
cctcattgca tccctcgacg aggtggcccc catcctctct atgttcttcc tgatgtgcta   1260
catgtttgtg aatctggcct gtgcagtgca gacgctgctg aggacaccca actggaggcc   1320
acgctttcga tattaccact ggaccctctc cttcctgggc atgagcctct gcctggccct   1380
catgttcatc tgctcctggt attatgcact ggtagccatg ctcattgctg gactcatcta   1440
caagtacatt gagtaccgtg gggcaaagaa ggagtggggc gatgggatac gaggtctgtc   1500
tctcagtgcg gctcgctatg ccctcttacg cctggaggaa gggcccccac acaccaagaa   1560
ctggaggcca cagctgctgg tgctggtgcg tgtggaccaa gaccagaatg tggtgcaccc   1620
ccagctgctc tcactgacct cccagctgaa ggcagggaag ggcctgacca tcgtgggctc   1680
tgtccttgag ggcacctttc tggaaaatca tccacaggcc cagcgggcag aagagtctat   1740
caggcgcctg atggaggcag agaaggtgaa gggcttctgc caggtggtga tctcctccaa   1800
cttgcgtgat ggcgtgtccc atctgatcca gtctgggggc ctcggggggc tgcagcacaa   1860
cactgtgctt gttggctggc cccgcaactg gcgccagaag gaagatcatc agacgtggag   1920
gaacttcatt gagctggtcc gggaaaccac agctggccac ttagccctgc tggtcaccaa   1980
gaacgtttcc atgtttcctg ggaaccctga gcgcttctct gaaggcagca tcgaccgttg   2040
ggggattggg cacgatggag gcatgctcat gctggtgccc ttcctgctgc ggcaccacaa   2100
ggtctggcgg aagtgcaaga tgcgtatctt cactgtggcc cagatggatg acaatagcat   2160
ccagatgaag aaggatctga ccacatttct gtatcattta cgcatcactg cggaggtcga   2220
ggtggtggag atgcatgaga gcgacatctc agctttacac ctatgagaag acgttggtga   2280
tgggagcagc gtttcccaga tcctcaaaca gatgcattta accaagaatg agcggga      2337
```

<210> 767
<211> 1788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1774)...(15)
<223> similar to gi2789430 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 767
```
gcggccgctc gcgcgagtgc acgcggcagt ggttggtgag cttggacttc tcgctgaagc     60
tcttctcgca ctcggggcac ttgaagggcc gctcgcctgt gtgagtccgc tggtggcgca    120
gcaggtgcga ggggcggctg aagctcttgc cgcacaggct gcagatgaag gagacctcat    180
gcttgcccgc gtgcacgcgc tgatggatca ccaagctgat gtgcaggcgg aagctcttct    240
tgcactcggg gcacgtgtag ggccgctcac ccgtgtgcgt gatctggtgt ttggtcaggc    300
tggacttgtg gctgaagctg ctgtcgcact cggggcactt gtagggctta gggccaccgc    360
cgccgctacc agagctgggt gacttgggac gcggcttgag cgcgtgcttg gggttgaacg    420
```
```

```
tgggcccgcg ttcgggtgag acgcagcctc cgcgcacgcg gtggatgcgc tggtgcagcg      480
tgagctgttg cttgtgccgg aagctgatct cgcattcggc gcactcgtag ggcccctcct      540
tgatgtggtt gcgctggtgg atgatgaggt tgatcttcag gcggaagctc ttgccgcact      600
ccatgcatgt gaagggccgc tcgccgcgcc ggttccgctg ctgctggctc gaggccccgc      660
ggttctcgct caggtgccgc tcaccgtgca cggagggcgc cagccttttc actgcggggt      720
ttcctagctg caggggcggg gggctctcct cgccctcggg ggacatctcc ccgggcagcg      780
gggtctggta catactggcc tcatatctcc cggacagctg cccaagggat tgcaagtgct      840
gcggcagctc atcctcctcc tcctcttctt cctcctcgtc ttgttcctct gtcttgatca      900
cgatcccctc cgtgcagttc ctctgctgca ccagcatctg cttcagttcg ctgaactcgc      960
tggagccttc cgtggactcc tccagcgtgt tctctggctc ctgcatgtcc aggtctggct     1020
gttccccaca ggggtcaccc agctctgagt cctggaagcc gtgctcttcc acctgtccca     1080
tcaggggctc aggtgtctcc aaactttctg agccctcgtc gttggtctgt acctcgatct     1140
taatcacgat cccatcgtgc gcagcactgg gatctgtcgg cgtttcgccc tcctcagagt     1200
cttcctgctc ctgcatggtg ggccgctccc cgcgctccat ctgtgacatg aggtctggtt     1260
tggaaattgc atagtccatg gaaaccaggg actcgtagtt gcccctcatc acgttcttgt     1320
agagctcctt ctgccactca gacaggtttc cccactcctg ctccgagaag tgcacagcaa     1380
catcatcaaa tgtgacaggg accttgggaa cttctccatt gctgccgggg ggcagccgca     1440
ggatccagaa atttctgttt ttcagcaggt tctccatgtt ctccagccgc ctctgcagca     1500
gcccatactc ctgcagcagg gtccccaaca cgacccactt gctctccaga tggttcgcga     1560
actccacggc tgtcttctcg cagtcggcta tcttcttttc atttgtcccc gtcctgcctt     1620
ccagggtcag tagcctcatg gcctgggcct ccagcttcct ctccactgct tggacggcag     1680
cccacacagc caagcgggtg atctctgccg tggggagcgg ctgttccttc tggactgcag     1740
aagagatctg gaaaggggtg tccttttggg aaaccgccca cgcgtccg                  1788
```

```
          <210> 768
          <211> 728
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(729)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (17)...(728)
          <223> similar to gi3043650 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 768
tgaaatactt gttccactag acagtaaggt ttcaagacca accaaatttg ttgtttcgcc       60
caagaacctg aagaaagatc ttgctgaacg ttggagcctt cctgagattg ttgggattcc      120
acaccaatta tccaaacctc agcgtcagaa acagactttg ccagatgatt atttgagtat      180
ggacacactg tatcccggca gcctacctcc agaactccgg gtgaacgcag atgagcctcc      240
agggcctcct gagcaagttg gactttctca attccatcta gagcccaaaa gtcaaaatcc      300
agagaccctt gaagacatcc agtcctcttc actccaggaa gaagccccag cgcagcttct      360
acagctccct caggaggtag aaccttcaac ccagcaggag gccccagctc tgcctccaga      420
gtcctctatg gagagtctag ctcaaactcc actgaatcat gaggtgtcag ttcaacctcc      480
aggtgaggat caagctcatt ataatttgcc caacattaca gttaaacctg cagatgtgga      540
```

```
ggttaccatg acttcagagc ctaccaatga gacagaatct tcccaaaccc agcaggagac    600
cccaattcag tttccagagg aggtggaacc ttctgcaccc caacaggagg cccaattga     660
gcctccagtt cctcctagga gcatnngtgt tccgagagcc tcaattgtct catttnnnnn    720
gggggggg                                                            728
```


```
        <210> 769
        <211> 4975
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(4975)
        <223> similar to gi5689519 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 769
aaggcatcca ggatgcggtg cggggcggcc cggtgccccc ccgccccgtc acggcagccg      60
cggcggccga ggggaccggg ccagggccgg gggcggcggc ccgagccgcg gtagcggcgg     120
cggcgggagg ggcggcctga gggcggacgg gcgggcgccc gggttgcggg ggctcggtgc     180
cgctccgcac tgcccggccg gtctcggccc cggcgccatg agtggcggcg gcggcggagg     240
gggctcggcg cccagtcgct tcgccgacta ctttgtcatc tgcggactgg acacggagac     300
cgggctggag ccggacgagc tgtcggcatt atgccagtac atacaggctt ctaaagccag     360
ggatggtgcc agcccttca tttcaagtac gactgaagga gaaaattttg agcagacacc      420
attgagaaga acattcaaat ctaaggtcct tgcacgatat cctgagaacg tagaatggaa     480
tccctttgac caagatgcag taggaatgct atgtatgccg aaagggctgg cattcaagac     540
ccaggctgat cccagggagc cccaattcca tgcctttatt atcacaaggg aggatggctc     600
tcggacattt gggtttgccc tcacatttta tgaagaggtg actagcaagc agatctgcag     660
tgcaatgcag accctctacc acatgcacaa tgctgagtat gatgtcctac atgctccccc     720
tgctgatgac agagaccaga gcagcatgga ggatggtgaa gacactcctg tgaccaaact     780
gcagcgcttc aactcctatg acattagccg ggacactctc tacgtctcta agtgcatctg     840
cctcatcaca cccatgtctt tcatgaaggc atgtcggagc gtgctggagc aactccacca     900
ggcagtcact tcacctcagc ccccctccact gccccttgag agctacatat acaacgtact     960
ctacgaggtg ccgctcccac ctcctggccg gtccttgaag ttttctgggg tctatgggcc    1020
aataatctgc cagagaccaa gtaccaatga gcttcccta tttgactttc ctgtcaaaga    1080
ggttttttgaa ctgctcgggg tggagaatgt gtttcagctt tttacttgtg cccttctgga    1140
gtttcaaatc ctgctctact cacagcatta ccagagactg atgactgtgg cggagacgat    1200
tacagctctc atgtttcctt tccagtggca gcatgtctat gtccctattc tcccagcttc    1260
tctcctgcat ttcttagatg ctcctgttcc atacctgatg ggtttgcatt ccaatggcct    1320
ggatgaccgg tcaaagctgg agctgcctca agaggctaac ctctgctttg tggacattga    1380
caaccacttc attgagttgc cagaggactt gccacagttc cccaacaaat tggagtttgt    1440
ccaggaagtc tctgagattc tcatggcatt tggaattccc cctgaaggga atcttcattg    1500
cagtgagagt gcctccaagc tgaagaggct gcgggcctct gagcttgtct cggacaagag    1560
gaatgggaac attgctggct cccctttgca ttcctacgag cttcttaagg agaatgaaac    1620
tattgcccgg ctgcaagcct tggtcaagag aactggggtg agcctggaaa agttggaagt    1680
gcgtgaagac cccagcagca ataaggatct caaagttcag tgtgatgaag aagaactcag    1740
gatttaccag ctaaacattc agatccggga agtttttgca aatcgtttca ctcagatgtt    1800
tgcagattat gaggtgtttg tcatccaacc cagccaggat aaggaatcct ggtttaccaa    1860
caggagcaa atgcaaaact ttgataaagc atcttttctg tcagatcagc ctgagcccta    1920
cctgcccttc ctctcaagat tcctggagac ccagatgttt gcatctttca ttgacaacaa    1980
```


                                  477

```
aataatgtgt catgatgatg atgataaaga ccctgtactc cgggtatttg attcccgagt   2040
tgacaagatc aggctgttga atgttcggac acctactctc cgtacatcca tgtaccagaa   2100
gtgtaccact gtggatgaag cagagaaagc aattgagctg cgtctggcaa aaattgacca   2160
tactgcaatt cacccacatt tacttgacat gaagattgga caagggaaat atgagccggg   2220
cttcttccct aagctgcagt ctgatgtact ttccactggg ccagccagca acaagtggac   2280
gaaaaggaat gcccctgccc agtggaggcg gaaagatcgg cagaagcagc acacagaaca   2340
cctgcgttta gataatgacc agagggagaa gtacatccag gaagccagga ctatgggcag   2400
cactatccgc cagcccaaac tgtccaacct ctctccatca gtgattgccc agaccaattg   2460
gaagtttgta gagggcctgc tgaaggaatg ccgcaataag accaagagga tgctggtgga   2520
aaagatgggc cgagaagctg tggagctagg gcatggggag gtgaacatca caggggtgga   2580
agagaacacc ctgattgcca gcctttgtga tctcctggaa aggatctgga gtcatggact   2640
acaagtgaaa caggggaaat cagccttatg gtcccacctg ttacattatc aggacaaccg   2700
gcagagaaaa ctcacatcag gaagcctcag tacctcagga atacttcttg attcagaacg   2760
taggaagtct gatgccagct cactcatgcc tcccctgagg atctccctga ttcaggatat   2820
gaggcacatc cagaacatcg gggaaatcaa gactgatgtg ggaaaggcca gagcatgggt   2880
gcgactgtcc atggaaaaaa agttactttc cagacacctg aagcagctcc tctcagacca   2940
tgagctcacc aaaaagttat ataagcgcta tgccttcctg cgctgtgatg acgagaagga   3000
gcagttcctc tatcacctcc tgtctttcaa tgccgtcgat tacttttgct tcaccaatgt   3060
cttcacaact atcctgatcc cgtaccacat tctgatcgta ccaagcaaga agctggggggg  3120
ctccatgttc actgccaacc catggatctg tatatcagga gaattgggtg agacacagat   3180
catgcagatt cccaggaatg tgctagagat gaccttcgag tgccagaact tggggaagct   3240
tactactgtc cagattggcc atgataactc tgggctgtat gccaaatggc tggtggagta   3300
tgtgatggtc aggaatgaga tcacaggaca tacctacaag ttcccgtgtg gccggtggtt   3360
agggaagggc atggatgatg gaagcctgga gcggatccta gttggggagc tgctcacatc   3420
ccagcctgag gtggatgaga ggccatgccg gaccccgccg ctgcagcagt ccccccagtgt  3480
catccggagg cttgttacca tctcacccaa caacaagccc aagctgaaca ctgggcagat   3540
ccaggagtcc atcggggagg cagtcaatgg cattgtgaag cacttccata agcctgagaa   3600
agagcgaggc agtctgacgc tgttgctctg tggagagtgt ggccttgtct cggccttgga   3660
acaggctttc cagcatggat ttaaatcgcc ccggctcttc aaaaatgtct tcatttggga   3720
tttcctggaa aaagcacaaa cctattatga gacattagag aagaatgaag tagtccctga   3780
ggaaaactgg catacaagag cccggaactt ctgccgattt gtcactgcaa tcaacaatac   3840
tccccggaac atcggcaagg atggcaagtt tcagatgctg gtgtgcttgg gagccagaga   3900
tcacctccta caccactgga ttgccctgct ggctgactgc cccatcactg cacacatgta   3960
tgaggatgtg gcactgatca aagaccatac acttgtcaat tccttgattc gtgtgctgca   4020
gacattgcag ggagtttcaa catcacgctg ggaggacgtc cctttgtcaa ggggcattcg   4080
gacatcttga cctcccagca ccagcccggc agcagggatt gaggaaagac tcaccctggc   4140
agctctgacc tttttttccc aaaggggact taaggcgatt gtgcaggagt aggagacaaa   4200
atgttacact cactgtaaaa agaaaactag gaggattttt gggaataaat aatctatttt   4260
agagtttatt tgctgatttg cttttacac actttcatgt gaaagagtga tagggagagg   4320
gagcgaggct ggtgccgctt attttgaagc tggtgccctc cctcgccgtg gccacatgct   4380
ggaagcctga ggcctccctg gactgagcct gtggcactgc gtgcgggaca gttatgtttc   4440
cttgccccgt cgcattaatg aggcccttcc acatcatttt taaactaatg tttttctata   4500
ttaacattat tatggatatt tggctttcat aggccacaca caggtggtct gccgcgggaa   4560
gcccccaggc ccccaatcaa agggattttt tagtagtgcc ctcctaagca agcaccgaat   4620
gagtcagtcc ccacgtattt tccttttttg tccagtattg tttgggaagg agacatgccc   4680
gggatgtgtc catccgtgcc caaatacca catttccctg ttggccacag tttccacaga   4740
agtaaacata agcatgtttt aacaggtttt tccttttctt ttttcttttt taaaatgttt   4800
tatttatta acccgccatt gtgtgttttt aagtattttc tttttttaag ggaaaggaaa   4860
agcttgtcac aatctaactg gctatgttat tattattaaa tttatgtttt gcaacttaga   4920
aaccagctac agtatggccc acttaataaa acacctcaaa caaaaaaaaa aaaaa         4975
```

    <210> 770
    <211> 346

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(337)
<223> similar to gi854065 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 770
gtagatctgc gtgtgcgttc ggtgtgtggc cggatgtggt gggtgtgtgc gcggagcacg   60
ttttatctgg agtgcttggt gtggtgtgta tttggtttgc gctttgacat gcagcatgtg   120
tttgtgtgtg cacgcttata ggttgtatgt ttctgcccga ttatagtggg attatgtggg   180
tgcggtttga aggtgggtgt gtgctgttcc tgccgggggtt tgtggtcgtg ctgtggtgag   240
tgtatatgtg tgtgcaatgt gtggatgtgt gtgtgcccgt tgaagcttgt gtgcatatgt   300
gtggagtgtg tttatgctta aatgcagtgt gccaaggggg gttaca   346

        <210> 771
        <211> 381
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (79)...(381)
        <223> similar to gi1335199 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 771
taaaaagagt aagttggaaa atactcagtg ctgatgagaa agtggggtaa ttgaaactct   60
tatacatcat tctaggaaca tccacttagg aaaacaactt ggcagtgtct aataaagtcc   120
agtatatgca ttccctataa cccagaattt ttactctcag gtgtataccc aacagaaatg   180
caggtgtgtg ttcaccagaa atcatgttca agaatgttca tggtatcact agtcatgagg   240
cacaaaaact ggaaatgttc atcaacaatg agtaggataa ataagttgtg ttaatatttta   300
tacaattgaa aattatacag cagaaagaat aaataatcta aacctacaca caacagcatg   360
aagaaatctc atgagtggaa t   381

        <210> 772
        <211> 403
        <212> DNA
        <213> Homo sapiens

        <220>

```
<221> misc_feature
<222> (203)...(406)
<223> similar to gi4589576 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 772
actgcctgtt acgtgccaag tgctttttgt taaggacata atgtttttga ctggggatca      60
tgtttggctg atgtaaatat taatgccaaa ataggagcta ggatgaaagt aacactgtaa     120
ttagtagtag aatttatttc atattaaaat gtgtcatgac gtaatttta tggcttggct      180
caagcaacaa ttttcagagt gcaccctcat tgatgctact cacagagacg tggatgtgct     240
gttactgctt tctaactctg cctactacgt ggcctattat gatgatgaag ttgataaagt     300
aaaccagtat caacgactaa gtctagaaaa cctggaaaaa attgaaatag gccctgaacc     360
cactcttttt ggtaagccaa aagttctcct gcatgcgact gca                       403




<210> 773
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(358)
<223> similar to gi29963 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 773
cttcctttat taatgattcc atttagcctc acaaatatca gagtaggatc cttattgatg      60
ttgccttcct gatttacttt atcccataag actgtagata ccatttctgc cttgaagcct     120
aaaaactttc tttttattca gaccgagtta cattagtgct ctaggtttga cgtgctacga     180
tggagatgcc actacaggag catgggccta tgtgaggatc ctatcataat gtgggggagt     240
agggatggtg aaccccgacg ggtcagctcc atgcagaagg ggggcaacat gaaggaggtg     300
tacacccgct tctgtaccgg cctcacccag attgagactc tcttcaagac tggggac       357




<210> 774
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> similar to gi200407 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
        <400> 774
gactcaaaga ttattagaca tgttagaatt catactggta agaagcccta tgtatgtaag      60
gaatgtggga aaggccttca gggggaactc agaacttctt agacatgaga gaattcacac     120
tggagagaaa ccctatgaat gctttgagtg tggaaaggct ttcaggcgga cctctcacct     180
tattgtccac cagagaattc atactggaga gaaaccccat caatgtaatg agtgtgcaag     240
aaccttttgg gataattctg agctgcttct ccaccagaaa attcatattg gagagaaacc     300
ttatgaatgt agcgagtgtg agaaaacatt tagccagcat tcccaactta tcatacatca     360
gagaattcac actggagaga agccttatga gtgccaagaa tgtcagaaga cttttagtcg     420
gg                                                                   422
```

```
        <210> 775
        <211> 378
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(379)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (349)...(238)
        <223> similar to gi2197085 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 775
attgattgaa tgaacctgat ctctagagta gaccattatt agtggctctt ttgaaggaac      60
agtattaaag ccattccta tagctcaggt ccatggcgcc taagtaggta aaaaagttga     120
aagaaattat taagaaagac atagtaagtc ttgaagtcaa gtagtatcag tcctccaact     180
ttgttctttc cactcaatgt tgagtttatt attctggatt tttgcttctc caaactttgg     240
actcagtttg ttgatatgta caaagtaaat tactgggatt ttgattatga ttgcaagcat     300
caatggaaag aactaatacc ttgacaatat ttagctntct tatacatgaa caagaaatat     360
ctgtcattta ttaagttn                                                 378
```

```
        <210> 776
        <211> 351
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

```
<222>  (148)...(353)
<223>  similar to gi3986752 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters




<400>  776
cgccctacac aatggatcga atatactgta tacagctcgt ggatacgtac gcctagcaca      60
ggcccccatc tcgaatacat aagatatgaa ggattagtaa cgatacatgc tgagtcagat     120
atagagatgg ttcgtcctgc agcgcctcac tccagaggag aggtctacga caacagtgcg     180
tgtgagccac ttcgtggagg agttcaagag gaaacacaaa aaggacatca gccagaacaa     240
gcgagccgtg aggcggctgc gcgccgcctg cgggagggcc aggaggaccc tgtcgtccag     300
cacccaggcc aacctagaaa ttgattcact ttatgaaggc attgacttct a             351




<210>  777
<211>  342
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (15)...(322)
<223>  similar to gi1943947 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters




<400>  777
ggcatgccgg gtgccagttc aaagccctgc tgtggaagaa ttggctctgc agactcagga      60
acccggtcct tttccttgct gaattcttct ggccttgtat cctgtttgta attctgacag     120
ttcttcgttt tcaagaacct cccagataca gagacatttg ttatttgcag ccccgagatc     180
tacccagctg tggtgttatc ccctttgttc aaagccttct ttgtaacact ggatcaaggt     240
gtaggaactt cagctatgaa gggtcaatgg agcatcattt tcggtaagag aaacacaaag     300
atctttttca gaaatctcag aaagctgata catagaacag gg                       342




<210>  778
<211>  384
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (1)...(377)
<223>  similar to gi488551 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

<400> 778

```
ggagccaggc cttatgtatg cagcgaatgt gggaaagagt tcagtcggaa acacacactt        60
gttctgcacc aacgaactca cactggagaa aggccttatg agtgcagtga atgtgggaag       120
gcctttagcc aaagctccca ccttaatgta cactggagaa ttcacagcag tgattatgag       180
tgtagcagat gtggtaaagc tttcagctgc atctccaaac tcattcagca ccagaaagtt       240
cactctggag aaaagcctta tgagtgcagc aagtgcggga aagccttcac tcaaagaccc       300
aacctcatca ggcactggaa agtccacact ggggaaaagg ccttatgtgt gtagtgagtg       360
cgggagagaa ttcatccgga aaca                                              384
```

<210> 779
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(314)
<223> similar to gil698455 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 779

```
cccagtacga tcctgaagac aaaacacaat cagagcaatg gttaccaaca ggtagaagtg        60
gtccagtcaa agcaaaagag gtccagtcaa gagcaaaggt catggcaggg gttttttggg       120
atgctcaagg caatatgcct gctgactttc tcgagggcca aagaacaata acatctgctt       180
attatgagat gacttggaga aaactagcaa aagattttag cagaaaaaca cccaggaaag       240
cttctccaaa gagtccttct aaaccatgac aatgttcttg ctcattattc tcatcaaaca       300
agggcaattt ttc                                                          313
```

<210> 780
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(552)
<223> similar to gil504022 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 780

```
ggcacgagca ataacaatca cacagaaatt caagaaattt ctttagcatt aaggagtcac        60
```

```
atgagtaaag caccaagtaa tacattccac ccccaagatt tctctgatgt attagtttta      120
ttttgtatgg gaactctcat agaacaggga aggacaattg gttggaaaga ctgttctata      180
gctgccagag actggataag cgtgaccagt caacaattcc acgcaatctc ctgaagacag      240
atgctgtcct ttggcagtgg gccatatggg aagctgcaca attcactggt ctttctaagc      300
tgagaacccc actgggcaga gctcaagaca ccttccagac aattgaaggt atcattcgaa      360
gtctcgcagc tcacacatta aaccctgatc aggatgttag tcagtggaca actgcagaca      420
atgatgaagg ccatggtaac aaccaactta gacttgttct cttctgcag tatctggaaa       480
atctggagaa attaatgtat aatgcatacg agggatgtgc taatgcatta acttcacctc      540
ccaaggttgg tttccatgag atagtgttgt tttatagcag tttaatggtc acagctggca      600
gtatgtgcag agctgaaatc acagtagact tgtgtatttg gtttatatat aggtgagaca      660
tccttaccta caaattgaac cagg                                            684
```

```
        <400> 781
ggtgaaggat aagttgctgc atttagtccc tcctacaacc aagaaagagc acaatgccta       60
tctggatttc ggagggaaca cattcctcat ttgggtgtgt tactccagcc catttatcga      120
gtgagccgaa aggctgccaa ttttgagtgg agtccagaac aggagaaggc tctgcaacag      180
gtccaggctg ctgtgcaagc tgcttggcca cttgggccat acgacccagc agatccaatg      240
gtgcttgagg tgtcagtggc agatagggat gctgattgga gctgttggca ggcctccata      300
ggtgaatcac agtggaggcc tctagaacat tggagcaagg ccctgccctc ttcttcagat      360
aactactctc cttctgagag agagctcttg ctcgtgcc                             398
```

<400> 782

```
attttatagg ctagaataca atctctaaaa ggccctttct gattatctta acccaattca        60
ttgcaaatat tcaccattaa gataagagtc actctgtaga acctgtcaat tttctcagtc       120
ttaaggcttt gagaacactt taatttttct ataaatccga gttgaatgta ctgccgggaa       180
ggaaaagctg gagccccagg gcctatggtt cactccacca tcattaatgt ttacatccac       240
ctttcagatc tcatttttga tgaagaggaa ggagcggttt ccacaagggg cacctccgtt       300
cagagcattg aactgggtcc tcccaccccca tgcaaaccat cacggaaata catttggtgg       360
ccagattatg gcgtggatgg agacagtggc tactatttct gcaagccgcc tgtgttgggc       420
tcatcccttt ctgaagtcca tagatatgtt taagttccgg ggaccatcta cagttggaga       480
tcgtcttgtc ttcactgcca ttgtcaacaa tacatttcag acctggtaaa gtgagccctt       540
aggctgctat gaagaaattt aaacttgcac aaatgtaatt tttaatttca gcctggagtg       600
ttgaagttgg agttcgcgtg gaggcctttg actgt                                  635
```


<210> 783
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (220)...(467)
<223> similar to gi387683 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 783

```
ggcacgagct tggctccatc cgctttgggg tttccagtct ttgttggagt caggactctc        60
aaaagaaggg aacgcgttat aggggcccaa actggatttg gggactgcaa aggcgagcag       120
cgctcgttca gtttatctcc tgggaacgca ccaggagttg ggcacacgcg ggagctgggt       180
cggtgctcct ggcaggtaac ggcttgttcc cggtgcatac ggcagactgc ggaggaacgg       240
gaggccgaga ggcagcaggc gaaccgcatc ctcctgcaga tgcagcagga ggcctatcat       300
aagagccttg cacagactgt gaccgctgac cctctgtgcg tgcacagttg cgtcagtcgt       360
cggcatgcag atgatggcgc cgtgggtggg cgagttgagc tgcatgcata tttgacgatc       420
atcggacttc ttatgcgcgg gtgcactgtg tctttggatg atggagg                     467
```


<210> 784
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(784)
<223> similar to gi158591 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 784

```
ggcacgaggg cccaggagga gcagggggc tccgctgtgc gcaggatcgc ccaggaagtg    60
cagcgctttg cccaggagaa aggtcatgac gccagtcaga tcacactagc cttgggcaca   120
gctgcctcct accccagggc ctgccaggct ctcggggcca tgctgtccaa aggagccctg   180
aaccctgctg acatcaccgt cctgttcaag atgttcacaa gcatggaccc tcctccggtt   240
gaacttatcc gcgttccagc cttcctggac ctgttcatgc agtcactctt taaaccaggg   300
gctcggatca accaggacca caagcacaaa tacatccaca tcttggcgta cgcagcaagc   360
gtggttgaga cctggaagaa gaacaagcga gtgagcatca ataaagatga gctgaagtca   420
acgtcaaaag ctgtcgaaac cgttcacaat ttgtgttgca acgagaacaa aggggcctct   480
gaactagtgg cagaattgag cacactttat cagtgtatta ggtttccagt ggtagcaatg   540
ggtgtgctga agtgggtgga ttggactgta tcagaaccaa ggtactttca gctgcagact   600
gaccataccc ctgtccacct ggcgttgctg gatgagatca gcacctgcca ccagctcctg   660
cacccccagg tcctgcagct gcttgttaag cttttgaga ctgagcactc ccagctggac    720
gtgatggagc agcttgagtt gaagaagaca ctgctggaca ggatggttca cctgctgagt   780
cgag                                                              784
```

<210> 785
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (122)...(351)
<223> similar to gi5262617 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 785

```
ggcacgaggg tgaagaggaa gcagtacgat gcctacggct ctgcaggctt gggcctgggg    60
ccagcggctc ccagcatagc tactggaagg gaggccccac tgtgaacccc gaggagctgc   120
tcaggaagac cgacggcgaa agatcgtcct gatgctatcg agagcatcat acatgctacg   180
aaaaagccaa ctgggacttc tcaacggcac caattactgc catttagccc acgagctgcg   240
tctcagctgc atggagagga aaaacgtcca gattctaatc atggatccct ccgccttggc   300
aagcgaccga tataacctca tactggcaca aaccagacag agaccggatc t           351
```

<210> 786
<211> 1468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(1468)
<223> similar to gi158591 in the genepept database release 114,

```
        <400> 786
gaaaaaagaa gctgccttgt tagtaacggg ctctatggtt tttctcatca agaggtcatg    60
acgccagtca gatcacacta gccttgggca cagctgcctc ctaccccagg gcctgccagg   120
ctctcggggc catgctgtcc aaaggagccc tgaaccctgc tgacatcacc gtcctgttca   180
agatgttcac aagcatggac cctcctccgg ttgaacttat ccgcgttcca gccttcctgg   240
acctgttcat gcagtcactc tttaaaccag gggctcggat caaccaggac cacaagcaca   300
aatacatcca catcttggcg tacgcagcaa gcgtggttga gacctggaag aagaacaagc   360
gagtgagcat caataaagat gagctgaagt caacgtcaaa agctgtcgaa accgttcaca   420
atttgtgttg caacgagaac aaaggggcct ctgaactagt ggcagaattg agcacacttt   480
atcagtgtat taggtttcca gtggtagcaa tgggtgtgct gaagtgggtg gattggactg   540
tatcagaacc aaggtacttt cagctgcaga ctgaccatac ccctgtccac ctggcgttgc   600
tggatgagat cagcacctgc caccagctcc tgcacccca ggtcctgcag ctgcttgtta   660
agctttttga gactgagcac tcccagctgg acgtgatgga gcagcttgag ttgaagaaga   720
cactgctgga caggatggtt cacctgctga gtcgaggtta tgtacttcct gttgtcagtt   780
acatccgaaa gtgtctggag aagctggaca ctgacatttc actcattcgc tattttgtca   840
ctgaggtgct ggacgtcatt gctcctcctt atacctctga cttcgtgcaa cttttcctcc   900
ccatcctgga gaatgacagc atcgcaggta ccatcaaaac ggaaggcgag catgaccctg   960
tgacggagtt tatagctcac tgcaaatcta acttcatcat ggtgaactaa tttagagcat  1020
cctccagagc tgaagcagaa cattccagaa cccgttgtgg aaaaacccct tcaagaagct  1080
gttttaagag gctctggcag cgtcttgaaa atgggcaccg ctgggaggag gtggatgact  1140
tctttacaaa ggaaaatggt agcagcttca gtgagaaact gcccttacaa acagtccctt  1200
ctctgctgtc aatccaatac tgctcccaaa tcctgttttc agtgttcatt tccctcaagg  1260
caggcgctgg gctcccacga cccctcagga cagatctggg ccgtcagccg cgggccgctg  1320
ggaactccac tcggggaact cctttccaag ctgacctcag ttttctcaca agaacccagt  1380
tagctgatgt tttattgtaa ttgtcttaat ttgctaagaa caagttatca gttaattttt  1440
aaaaaagcct ttctgctggg ttggatta                                    1468
```

```
        <210> 787
        <211> 411
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (342)...(0)
        <223> similar to gi854065 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 787
tttcgtctct gatccggctc agctttccag tcagctgcgg aaggagccac gctttcgggg    60
gttgcaagat ggcggccacc agtggaactg atgagccggt ttccggggag ttggtgtctg   120
tggcacatgc gctttctctc ccagcagagt cgtatggcaa cgatgtgagt atgactcacc   180
cacagctccc acccactcag ctagcctggg atctctgcag gacctgcctg ccactaagtt   240
ataacttcac gtcctgataa tctactgcag accctctcca cttacaccag aaactgcacc   300
ttcgttcagt tcgtttttaat cttggtccac aaacgcagga ctaacgcctg tggaagtggt   360
```

487

<210> 788
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(772)
<223> similar to gi1129173 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 788
tgagacctgg ctcatgccac tgagcagctg aacatgctca cagaggcctc aaaaaaacac   60
tcgggggctg ctgcagtctg cccaggaaga actgaccaag aaggaagccc tgattcagga   120
acttcagcac aagctaaacc aaaagaaaga ggaagtagaa cagaagaaga atgaatataa   180
cttcaaaatg aggcaactag aacatgtgat ggattctgct gctgaggatc cccagagtcc   240
taagacacca cctcactttc aaacacattt ggcaaaactc ctggaaacac aagaacaaga   300
gatagaagat ggaagagcct ctaagacttc tttggaacac cttgtaacaa agctaaatga   360
agacagagaa gtcaaaaatg ctgaaatcct cagaatgaag gagcagttgc gtgaaatgga   420
aaacctacgc atggaaagtc agcagttaat agagaaaaac tggctcctgc aaggtcagct   480
ggatgatatt aaaagacaaa aggaaaacag tgatcagaat catccagata atcaacagct   540
gaagaatgaa caagaagaaa gtatcaaaga aagacttgca aaaagtaaaa tagttgaaga   600
aatgctgaaa atgaaagcag acctagaaga agtccaaagt gccctttaca acaaagagat   660
ggaatgcctt agaatgactg atgaagtcga acgaacccaa actttggagt ctaaagcatt   720
ccaggaaaaa gaacaactga gatcaaagct ggaagaaatg tatgaagaaa   770

<210> 789
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(494)
<223> similar to gi2564328 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 789
ggcacgagac ctgctctgta actcacattg tgtccttctc tctccctttc cttaaccctt   60
cccatcccgc ttcaactcct ggccatacag agaatgaaca gccttccctc gtttggtttg   120
acagaggaaa gttttatttg acttttgaag gttcttccag gggacccagc cccctaacca   180

```
tgggagctca ggacactctc cctgttgcag cagcatttac agaaacagtc aatgcctatt      240
tcaaaggagc agacccaagc aaatgtatcg ttaagattac cggagaaatg gtgttgtcat      300
ttcctgctgg catcaccaga cactttgcca acaacccgtc cccagctgct ctgactttc      360
gggtgataaa tttcagcagg ttagaacacg tcctgccaaa cccccaactt ctctgctgtg      420
ataatacaca aaatgatgcc ataccaagg gaattctggg taaacatgcc aaatttgatg      480
actcacctaa aga                                                        493
```

```
        <400> 790
tggtaaagca tttaaagagt gttcaggact tagcgcccat cttgtaatcc attctggaga       60
aaaaccttac aaatgtaatg agtgtacaag aacttcaggc acaaattttc cctcactcaa      120
cagagaagtc atactgcaga aaaaccttac acacgtaatg aatgtggcaa ggtctttggt      180
caattgcacg gcatcaaata attcatagta cagagaagcc ttacaaatgt aacaaacgtt      240
gaaagcattt agcaagcatt caggacttat ggcccatctt ctaatccata ctggagagaa      300
actttacaaa tatagtgaat gcggcaaggt cttcctcgtg cc                        342
```

```
        <400> 791
cgggtgtaga ggcagtcgga tgtcgtggag tggggggcag gaggggtgg agcggctggg       60
gcctcgtggg cggtgagggt cggcagggtg ggtcttggaa ggcaggtggg cggggaagtg      120
ctgtagctta taggggtatg ggggagtgtg ggtcaaggca ggaggacagg tcgggctgct      180
ggcagggtag tgcaaagggc tattcacgag gggtagagcc ttctctccca ggccgaattg      240
ccaactccca acacccctcc tacagaaaat ttggagtcct cgctcattcc ctggcagccc      300
```

.

```
<210> 792
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> similar to gi2224553 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 792
agtgccctgc gcaaggaaca ggactcattt ctgagaagga tggacgcagc cccaacaaat      60
cagacaagga ccacatccgg tggcccatga gtggcgctca tgatcttcag caggcggcac     120
caggccctgg cggggcgcac cagggtcacc ccaaccagga taaccggacc gtcagccaga     180
tgctgagcga gcggtggtac accctggggc ccaatgagat gcagaaatac cacgacctgg     240
ccttccaggt gaaggtggcc cacttgcaac aaggaccgaa agaagtccag ctcagaggcc     300
aagcccacaa gccaggggct agcaggagtg taacaagggc tcgtgggagc ggagcatatc     360
agagacgggc actgccactg cccctggggt gtcctctgaa ctccagtcag ttgcagccca     420
aacacttcag agctcggata ccaaggagca gcttctgtgg ggcagaatgg ctgcacacag     480
tcagggaacc tggctcagcc tggcccaagc cttctcccac agcggggtac acagcctgga     540
cggcagggaa atagaccgtc aggcactacg ggaactgaca caggtggtgt ctggcagtgc     600
atcatatgtt ggcccaaagc catttactaa gtatggagct cccgccctca aggcagtaag     660
tggtaagcca ggtaattcgt ggtcagagct cgtgcc                              696
```

```
<210> 793
<211> 1089
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1086)
<223> similar to gi2370155 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 793
ccagccacga tagacaagag acgccaagat ggcaccaaca gcagcaacaa gccttacagg      60
agactttcag agagagaatt tgacccaaat aagcactgtg gagtattgga tgccgagaca     120
aagaaacctt gcacaagatc cctcacctgc aagacacatt cgctaagcca tcggagggca     180
gtcccaggcc ggaaaaagca atttgacctc ctcctggcag aacacaaagc aaagtcccgg     240
```

```
gaaaaagaag ttaaagataa agagcatctc ctgacttcca cgagggaaat acttccaagc       300
caatccgggc cggcacagga ttctctgcta gggtcttcag ggagctctgg gccagaacca       360
aaagttgcat cccctgcaaa atccagacca cccaactctg tacttcctag accatcatct       420
gcaaatagca taagcagcag cacatcttca aatcatagcg gccacactcc agagccccca       480
ctcccaccgg ttggaggtga cctcgccagc cgactgtcca gtgatgaagg ggagatggac       540
ggagccgacg aatccgagaa gctagactgt cagttctcca cgcaccaccc cagacctatg       600
gcgttttgct catttgggag tcgcctcatg ggacgagggt actatgtgtt tgatagaaga       660
tgggatcgtt ttcgattcgc actaaactcc atggtagaaa aacacctgaa ttcacagatg       720
tggaagaaga tccctcctgc gggcagatag gcccctgcc ctcgccagca gcccacatca       780
ccaccccgt tccagcatcc gtttgcagc ctttcagcaa ccccagtgct gtgtatcttc       840
cttcagctcc catcagctcg aggctcacct cttcttacat aatgacatca gccatgctct       900
caaacgcagc tttcgtgaca tcgccggacc cgagcgccct catgtcccac accacagctt       960
tccctcatgt ggccgcaacc ctcagcatca tggactcaac cttcaaggcc ccatccgccg      1020
tgtccccgat accagccgtc atcccttccc catcccacaa gccatccaaa accaaaacca      1080
gctacgaaa                                                             1089



        <210> 794
        <211> 358
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (8)...(48)
        <223> similar to gi559160 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 794
ccatcgcgca ccgccgcacc tcccccccat ccccctccc tctcccccct ctccctctc        60
ccaccacccc cccctgcct cctcccgccc gccaccctcc ccgatccctc ctctcctgcc       120
atcccgctcc agccactccc tgttcctacg tcatccccga tttatcattt tcctttctca      180
tactccctc acttcacctg attttggtat ccagattgta atttaacttt ataaaaagag       240
ttaagaaagt gttgctgttt ttcttttttc tggaatggat taagattagc atatctcttc      300
atttaatgtt tggtagaact tgttagaaca gtctgagtat gtttttatcc ctcgtgcc        358



        <210> 795
        <211> 602
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(603)
        <223> n = a,t,c or g

        <220>
```

491

<221> misc_feature
<222> (1)...(589)
<223> similar to gi411989 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 795
gatgtgatgt gcactgcttt tcatgacaat gaagagacat ttttgaaaaa atacttatat   60
gaaattgcca gaagacatcc ttactttat gccccggaac tccttttctt tgctaaaagg   120
tataaagctg cttttacaga atgttgccaa gctgctgata aagctgcctg cctgttgcca   180
aagctcgatg aacttcggga tgaagggaag gcttcgtctg ccaaacagag actcaagtgt   240
gccagtctcc aaaaatttgg agaaagagct ttcaaagcat gggcagtagc tcgcctgagc   300
cagagatttc ccaaagctga gtttgcagaa gtttccaagt tagtgacaga tcttaccaaa   360
gtccacacgg aatgctgcca tggagatctg cttgaatgtg ctgatgacag ggcggacctt   420
gccaagtata tctgtgaaaa tcaagattcg atctccagta aactgaagga atgctgtgaa   480
aaacctctgt tggaaaaatc ccactgcatt gccgaagtgg aaaatgatga gatgcctgct   540
gacttgcctt cattagctgc tgattttgt tgaaagtaag ggtgttttgc caaancttat   600
gg   602

<210> 796
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (12)...(334)
<223> similar to gi551324 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 796
caccccaaca ccacaccaaa cacccaaacc cccacccaac aacccaaaac acacccacac   60
acacaccaca accaccccac aaaaccaacc acccnccaac accaaacaac cacaaccacc   120
aacaaacaaa cccacacaac cccacaccaa acaaaacaca ccaacccaca aaacnnanan   180
aannannacn ncncnaaaaa ccnngtcaca taatcnccac atccctattc atctcagtgt   240
tgacatctgt tgactgtctt ttctcattca agttgttatt ttctccattc ttgctatgat   300
gagtggtttt tctactgtgt ccagttctcg tgcc   334

<210> 797

```
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> similar to gi2280514 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 797
cacatgcact cacaccacat gcactcacac acaccacatg cactcacaca caccacatgc      60
actcacacca catgcattca cacacacacc acatgcactc acaccacatg cattcacatg     120
caccacatgc actcacacca cacgcatgca ctcacacaca ccacatgcac tcacaccaca     180
tgcactcaca ccacatgcat gcactcacac cacatgcatg cactcacaca ccacatgc      238




<210> 798
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(552)
<223> similar to gi818867 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 798
cttctagatg ttagagacac aagcggccca tctgtgttca cagcaatcta aacaagaatt      60
ccttagggtc tcctttgcta ggtccagttg ttccaggacc atctccaatc ccttctgtta     120
ctgaaaagag gttatcatct ggccaaaata aagcttcagg caagaggcaa agatccagtg     180
gaatatggga gaatggtaga ggaccaacac ctgctacccc agagagcttt tctaaaaaaa     240
gcaagaaagc agtcatgagt ggtattcacc ctgcagaaga cacggaaggt actgagtttg     300
agccagaggg acttccagaa gttgtaaaga aagggtttgc tgacatcccg acaggaaaga     360
ctagcccata tatcctgcga agaacaacca tggcaactcg gaccagcccc cgcctggctg     420
cacagaagtt agcgctatcc ccactgagtc tcggcaaaga aaatcttgca gagtcctcca     480
aaccaacagc tggtggcagc agatcacaaa aggtcaaagt tgctcagcgg agcccagtag     540
attcaggca                                                            549




<210> 799
<211> 354
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (3)...(251)
<223> similar to gi1469888 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 799
ggcacgagca ggccattctg gaggaaaaca aggagaagct gccacttgac atcaaccccg   60
tggtgcaccc acactggcac atctttaagg actacacgga cgtgcaccat gtggacagac   120
atttctaatc cacccgcgct ttaccctcac ctatagtgac gcggacgccc agatgctgta   180
caacttctca cacttcaatg tctacccgaa attcatacag gataagccaa gggcactcat   240
gagacaggaa tgatgggagt acctgcacat tgtccttctg aggcctgaca gctttacttt   300
attgtccaca tggatatacc gatctgggga gcatataact tttattgtct atct   354

<210> 800
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(181)
<223> similar to gi3021428 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 800
ggcacgagca tctacctagc acatcgtgtg gccgcgggct tgggaattgg cccagttcat   60
ccaccacaca tccaagaagg cagacgtggt tctggcgtgt ggcgactcta tcgtgcatcc   120
cgaggacctg atctgctgtc cgctgacggg gaggagttgc ctatgtgatg ttcatctact   180
ctcgtctctc ctagctcgtc tcggtagagg ttatgctgtc tctctgacta atctctagga   240
gttctgctgc cacgctcgtc tctgctgttg ctgctcttct gttggctctt gcgtactctt   300
cgacggcatc tctg   314

<210> 801
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)...(334)
<223> similar to gi4995271 in the genepept database release 114,

494

Run with FASTXY 3.3t00, default parameters

<400> 801
ggcacgagaa ctggaccttt atgttctagg aatttccact tgatgccttc aggatagcgc   60
tcttcttccc acctttaaaa gacaaagcac agcctcattt agtgatcgcc ttgtctaaca   120
tggggatcat cactgattaa atgccaaata attatccgct caactgatta gtgctctgga   180
atgacttctg ggcctcacat tcaaggcctg gatcaaaaga accagtgtct ctcattttgc   240
aattagccaa tgtcttcaag tatcatgaat tactagtgat aattatcgat aattcctctt   300
gctgtcgtat atcttgctat tatgtaccgc actcatccc   339

<210> 802
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (187)...(422)
<223> similar to gi232583 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 802
ggcacgagct tggctccatc cgctttgggg tttccagtct ttgttggagt caggactctc   60
aaaagaaggg aacgcgttat aggggcccaa actggatttg gggactgcaa aggcgagcag   120
cgctcgttca gtttatctcc tgggaacgca ccaggagttg ggcacacgcg ggagctgggt   180
cggtgctcct ggcaggtaac ggcttgttcc cggtgcagac ggcagactgc ggaggaacgg   240
gaggccgaga ggcagcaagc gaaccgcatc ctcctgagtt gcagcaggag gcctatcata   300
agagcctggc acagccgctg cccgctgacc ctctgtgcgt gcacaactcg tcgctcttcg   360
ccctgcagaa tctgncagcc gggtctgacg actcgaccan natcacttac gtnnaactgg   420
tg   422

<210> 803
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

495

<222> (1)...(381)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (117)...(370)
<223> similar to gi545998 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 803
ggcacgaggg gctttgggcc gggtgttgcg aatgtgaagg cttgagtaac cttccgtcaa   60
ggagctccca gtcttgttga ggataccaag acgtaggcag ttactgtaca gcttggacga   120
tgccggtggt gatcttctgg cactgggaga accagtcctt caatgcctta gtcaactaca   180
ccaacatgaa tgcggcttca cccacatcat tcagaaagcg ccgtccttgg agggccgatg   240
cgtgcccttt gccgctgttg ctgcggctga ctgtgtcaat atccccatga tgcgacagct   300
ggagcttatc aagggaattt gcgtgaatga cacgaatgtt tatgagattt gtcattcccg   360
gaaagcatga gtcataggcn   380

<210> 804
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(350)
<223> similar to gi5689387 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 804
ggcacgaggt gagcgtattc tttctagaga agcaccaaag gagctaaagc ggcagcccat   60
gtcccttggg tatttgggat caactgtcaa agctgaaaat cttcctcagt ggttttggac   120
atcgtgttcc caggctcaaa aacagtgccc tttcttatta aaggctacga tgcattacca   180
catttcagta gcacagacag acgaaattct gcctgccagg aattctaagc ggtttccaca   240
ccctattgac tccaaaacca ggttgaatgt tttaaggttc gatttggagc agtacaacgc   300
tctgatcctg gctcacgtgc aatacggcca cccaagaccg taattcc   347

<210> 805
<211> 1376
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1375)
<223> similar to gi2078282 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 805
cttcagaaca aattgccaaa agccagagtt gtttatgcta gtgcaactgg tgcttctgaa   60
ccacgcaaca tggcctatat gaaccgtctt ggcatatggg gtgagggtac tccatttaga   120
gaattcagtg attttattca agcagtagaa cggagaggag ttggtgccat ggaaatagtt   180
gctatggata tgaagcttag aggaatgtac attgctcgac aactgagctt tactggagtg   240
accttcaaaa ttgaggaagt tcttctttct cagagctacg ttaaaatgta taacaaagct   300
gtcaagctgt gggtcatcgc cagagagcgg tttcagcaag ctgcagatct gattgatgct   360
gagcaacgaa tgaagaagtc catgtggggt cagttctggt ctgctcacca gaggttcttc   420
aaatacttat gcatagcatc caaagttaaa agggttgtgc aactagctcg agaggaaatc   480
aagaatggaa aatgtgttgt aattggtctg cagtctacag gagaagctag aacattagaa   540
gctttggaag agggcggggg agaattgaat gattttgttt caactgccaa aggtgtgttg   600
cagtcactca ttgaaaaaca ttttcctgct ccagacagga aaaaacttta tagtttacta   660
ggaatcgatt tgacagctcc aagtaacaac agttcgccaa gagatagtcc ttgtaaagaa   720
aataaaataa agaagcggaa aggtgaagaa ataactcgga gaagccaaaa aagcacgaaa   780
agtaggtggc cttactggta gcagttctga cgacagtgga agtgaatctg atgcctctga   840
taatgaagaa agtgactatg agagctctaa aaacatgagt tctggagatg atgacgattt   900
caacccattt ttagatgagt ctaatgagga tgatgaaaat gatccctggt taattagaaa   960
agaccacaag aaaaacaaag agaaaaaaaa gaagaaaagt atagatccag attctattca   1020
aagtgcctta ttagcatcag gtcttggatc aaaacgacct agttttcat ctacaccagt   1080
tatctcacct gctcctaaca gtacaccagc taacagtaac accaacagta acagtagcct   1140
tataacaagt caggatgctg tggaaagggc tcagcagatg aagaaagacc tgcttgataa   1200
gctagaaaaa ttagctgaag acctcccccc taataccctg gatgaactta tcgatgaact   1260
tggtggccct gagaacgttg ctgagatgac tggccgcaag ggacgggttg tgagcaatga   1320
tgatggaagc atatcttatg agtcaagatc tgaacttgat gtgcctgtgg aaataa   1376

<210> 806
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (81)...(699)
<223> similar to gi5802812 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 806
ggcacgagcg aatgaatgaa ttgtggcctc aggaaccacg agcgcatggt gtagcaccag   60
gacaacataa ggctgcactg ccatctaatg ttaatgaatc gccattacag tttactattc   120
ggcaggctag attagccgga gatcttgatg cctggcagtt tgcagtagtt ttgcaacccc   180
cacgacagca aggtggagcc catcaagcgg tatgggaacc attttctttt aagctgctca   240
aagatcttaa agcagctgtt ggtcagtatg gtcccaattc gcctttcatc cgatcgctat   300

497

```
tgcaatctgt ggctcagaat aagctattga ctccgtgtga ttgggagatt ttaacgaaag    360
ttacactttc gccctcccaa tttcttcagt ttaagacttg gtggaccgac gaggctcaaa    420
atcaagatcg aaaaaaccgt gctgctaatc ctgctattgc cattacattt gaacaacttc    480
taggaatagg gggtcaatgg ggaactgtaa acaaccatca ggacttcgag atgatgccat    540
tgaacaaatt cgcaattgct gtttgagggc atgggagaaa attcaggatc tgggaactac    600
ttatcagtct tttaattcta ttagacaagg ctcaaaggaa ccatatcctg atttcattgc    660
tcgccttcaa gacgcagcac agaaggctct cactgat                             697
```

```
        <210> 807
        <211> 381
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(264)
        <223> similar to gi3059135 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 807
gagaaaaaca gagagatgct ggacatctta ataaagcatc tggtcaaagt atcactacac     60
agccaacaaa atctcatgac tgtctcaaat cttggtgtca tatttggccc aactctaatg    120
agagcacagg aagaaactgt ggctgctatg atgaatatta aatttcagaa tattgtggta    180
gaaattctga gaggccctat gaaaagattt ttcatactgc tccagaccca agcattcctc    240
ttcctcagcc tcagtctcga tctggatcag tatgaacaat attttcatag cgctctatca    300
gaagattttt cctactgctc cagaccccag cattcctgtt cctcagcctt aggctcgatc    360
tggatcccga atgacacgag c                                              381
```

```
        <210> 808
        <211> 831
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(831)
        <223> similar to gi431420 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 808
tggggtttat caggaatgca ctcagctctc agggaatagg gatgtcctcc tctgccaaaa     60
gttggagcag aagaatccac tcactggtga tttctcctgc ccctctggct actccccggt    120
gcacctgtta tcccagatcc acgaggaggg ttacaaccac ctggagtgtc atcgaaagtg    180
```

498

```
cactctcctc gtcttctgca agaccgtgtg tgaagatgtg ttccaggtgg caaaagctga      240
atttagggct ttttggtgtg tggccagcag ccaagtacct gaaaactcag gactgctttt      300
tgggggcctc ttcagcagca agagcataaa ccccatgaca aatgcacagt catgcccagc      360
cggctacttt ccactgagac tctttgaaaa cctcaaggta tgtgtttctc aggactatga      420
gttgggaagc aggtttgcgg tcccctttgg cgggttcttt agctgcacag ttgggaaccc      480
cctggtagat cctgctatat ccagagattt aggggcactg tctctgaaaa agtgccccgg      540
gggcttcagc cagcacccag ccctcatcag cgatggatgc caagtgtcct attgcgtcaa      600
atccgggctc ttcacaggag ggtccctgcc ccctgccagg ctcccacctt tcacccggcc      660
acccctcatg agtcaggctg ccaccaatac tgtcatagtg accaattctg agaatgcgag      720
atcctggatt aaagactccc agacccacca gtggaggctg ggagaaccga tagagctgcg      780
gagggccatg aatgtcatcc atggggatgg tggtggtctg tcaggagggg c              831
```

```
        <400> 809
agctggctac tatttggact ctggctgacg ttgatggtga tggacagcta aaagcagaag       60
agtttattct ttgcaatgcc cccttaccgg caatggccaa gctgggcagg cccaatacca      120
ctgactttac ctcctgagct tgttcctcca tctttcagag gaggaaagca aattgattcc      180
attaatggaa ctctggcctt catatcagaa aatgcaagaa gaggagcctc agaagaaatt      240
accagttact tttgaggaca aacggaaagc caactatgag cgagggaaca tggagctgga      300
aaagcgacgc caagccttga tggagcagca acaaagggag gcagaacgta aagcccagaa      360
agaaaaggaa gagtgggaac gaaaacagag agaattacaa gaacaagaat ggaagaaaca      420
acttgaatta gaaaaacgct tagagaagca acgggaattg gagagacaac gagaggaaga      480
aaggagaaaa gacatagaaa gacgagaggc agcaaaacag gaacttgaac gacaacgtcg      540
cttagaatgg gagagaattc ggcgacagga gcttctcaat caaaagaata gagaacaaga      600
agaaattgtc aggttaaact ctaaaaagaa gaatcttcat cttgagttgg aagcactgaa      660
tggcaaacat cagcagatct caggcagact tcaggatgtc cgactcaaaa agcaaactca      720
aaagactgag ctggaagttc tggataagca gtgtgacttg gaaattatgg aaatcaagca      780
acttcaacag gaacttcagg taagtccttc actgctaaat tgttcttaaa catgtacaat      840
taatagttct tctgggctgg gcacggtggc tcacggctgt aatgctagca ctttgggagg      900
ctgaggcggg tggatcccct gaggtcagga gttcgagacc agcccagtca gcaggcaaa      960
accccgtctc tactaaaaat acaaaaaaat tagctgggta tggtggcgca tgcctgtaat     1020
cccagcaact cgggaggctg aggcaggaga atcgcttgat tctgggagg                1069
```

<210> 213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(334)
<223> similar to gi2723316 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 810
ccagtcctca accctactta cacataagaa agttcatact ggagagaaac gctacagatg   60
tgaagaatct ggcaaagcct ttaagctgcc tctaacctta ctacacataa gataattcac   120
actggagaga aaccctacag atgtagagaa cgtggcaaag cttttaacca ccctcaccc   180
cttttttcac ataagaaaat tcttattgga gagaaccat acaagtgtgt taaatgtggc   240
aaagccttca tttcatcctc aacccttatt aaacatgaga taattcatag aaactctaca   300
aatgtgaaga atgtggcaaa attttaactg ttcc   334

        <210> 811
        <211> 374
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (10)...(364)
        <223> similar to gi161970 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

        <400> 811
cagaactctc tccgctcctc ctttgactcg tgcggagaac tccatccgct cccctctcga   60
ctcctgcagg taactccatc cactcctccc tcaactcctg cgggtaactc tgtccactcc   120
tccctcgact cctgcaggta actcagtcca ctcctccctc gactcctgca ggtaactccg   180
tccgctcctc cctcgactcc tgcgggtaac tccatccgct tctccctcga ctgctgtggg   240
taactccatc cactcctccc tgaactcctt caggtaactc tgtccgctcc tccctcgact   300
cctgcgggta gctccgtcca ctcctccctc gactcctgtg ggtaactccg tccactcctc   360
cctcaactcc tgcg   374

        <210> 812
        <211> 387
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature